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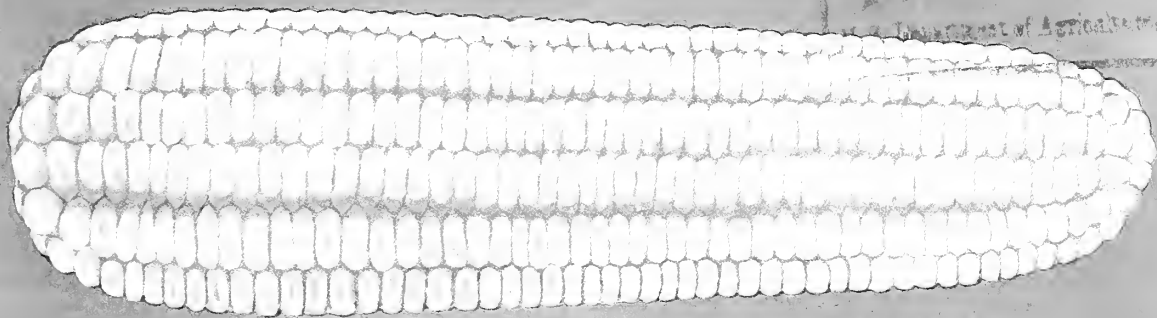


# BUCHANAN'S

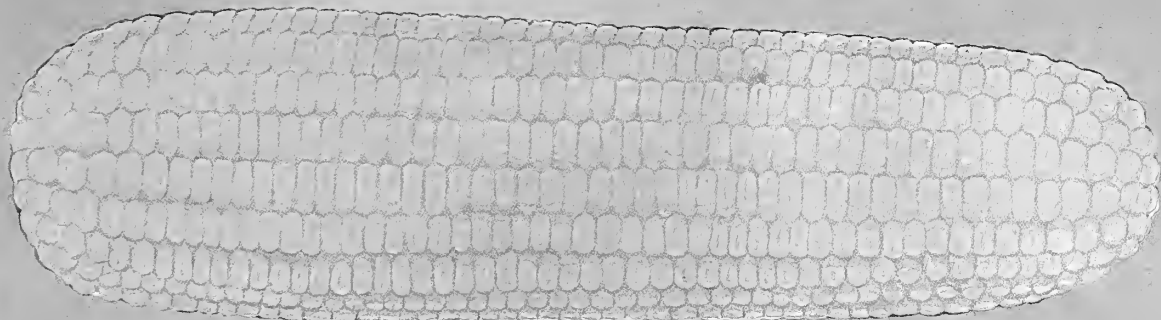
## SEEDS FOR 1931



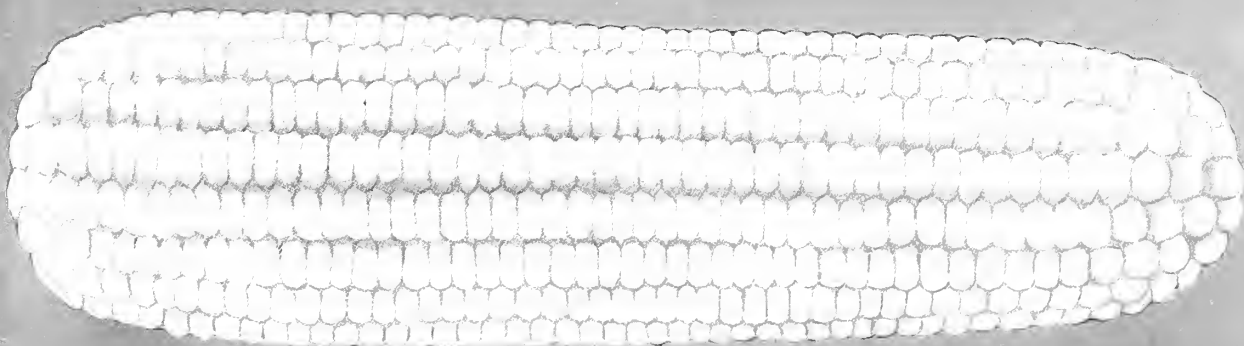
RECORDED  
★ FEB 2 1931 ★  
U.S. DEPT. OF AGRICULTURE



1136 - BUCHANAN'S MOSBY PROLIFIC CORN



1144 - BUCHANAN'S GOLDEN PROLIFIC CORN



1125 - BUCHANAN'S PAYMASTER CORN



### R.B. BUCHANAN SEED CO.

BUCK BRAND TESTED SEEDS  
18 S. FRONT ST. MEMPHIS, TENN.





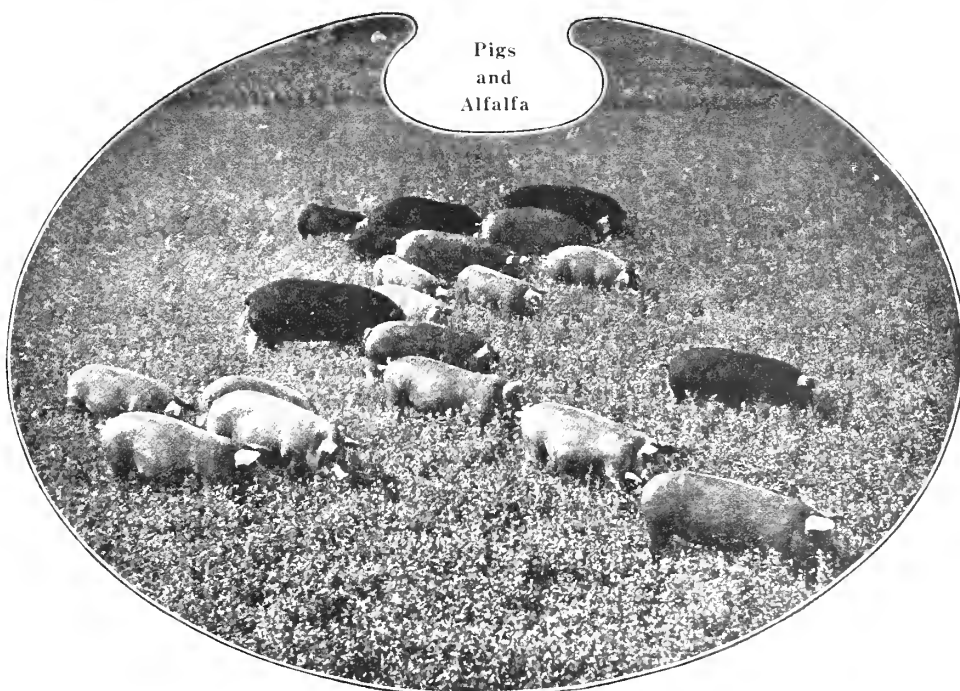
**R.B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.**  
**BUCK BRAND TESTED SEEDS**



**SAVING LESPEDEZA OR JAPAN CLOVER HAY**

**LESPEDEZA IS THE SALVATION OF SOUTHERN WORN COTTON LANDS**

Lespedeza is the one seed that the Creator of All Things sent to us of the Southland to restore our Worn Cotton Lands



Alfalfa is the best Clover for heavy land and will yield three to five cuttings a year of the finest quality hay.



**CUTTING SUDAN GRASS**

Sudan Grass Seed sown at rate of 25 lbs. to the acre will produce more hay on rich bottom land than any Grass Seed known



**R. B. BUCHANAN SEED CO., MEMPHIS, TENN.**

Ship to me by—Mail ☐ Express ☐ Freight ☐  
(Mark X in square for desired shipment)

Name Mr. (If Mrs., kindly use husband's first name or initials, as Mrs. Sam B. Clark)

Postoffice \_\_\_\_\_ State \_\_\_\_\_  
 Rural Box Express or  
 Route No. Freight office \_\_\_\_\_  
 (If Different from Your Post Office)

**Street  
Address**

We do not pay postage on seeds quoted on our yellow wholesale price list in center of this book.

**FLOWER SEED**  
See offer on back of  
this Order Blank.

**If goods are wanted C. O. D. 25 per cent. of amount must accompany the order.**

No plants shipped C.O.D.

PLEASE DO NOT WRITE  
IN THIS SPACE

Date.....

## Prices.....

Zone.....

**Filled**.....

Checked.....

Wt. .... P. ....

Shipped.....

R. B. Buchanan Seed Co. give no warranty, either express or implied, as to description, quality, productiveness or any other matter, of seeds, bulbs or plants they send out, and will not be in any way responsible for the crop.

[illegible]

**NOTE—Does this Order Include Everything You Need?**

*Please do not ask for changes or alterations.* The collection is given just as listed. Plain cultural directions are printed on each packet.



R. B. BUCHANAN, SEEDSMAN

## TO MY CUSTOMERS:

We read, hear and talk a good deal these days about over-production of commodities and about Law-fixed prices.

Go back into history, back to ancient China and Greece—you will find that price-fixing by law has had a consistent record. It has always failed.

For many, many years, Governments and Bankers have been trying to help themselves as well as those who look to them for assistance during trying times by repealing that ancient law of supply and demand—and it worked as they worked it, they proved that they could repeal this ancient law—only it would not stay repealed.

There are no cure-alls for over-production, when there is an over-production of Wheat, Corn, Cotton, or any other commodity, the price must come down. It may be jacked up and held up for a time, but it will always fall. It always has.

Yours very truly,

R. B. BUCHANAN.

January 1, 1931.

## INDEX

	Page
<b>A</b>	
Alfalfa Seed	74
Asparagus Seed and Roots	3
Austrian Peas	85
<b>B</b>	
Baby Chicks	96
Barley	85
Baby Chick Feed	96
Beans, Bush and Pole	5, 6, 7
Beets	8
Bird Cages and Supplies	96
Broom Corn	85
Brussels Sprouts	8
Bulbs, Flowering	54, 55, 56
Buckwheat	85
Buchanan's Paymaster Corn	66
Buchanan's Golden Prolific Corn	68
<b>C</b>	
Cabbage Plants	3
Cabbage Seed	10
Canary Birds	95
Cane Seed	82
Cantaloupe	16, 18, 19
Cauliflower	9
Carrots	9
Celery	9
Chicory	11
Clover Seed	74, 75, 76
Collards	11
Corn, Garden	13, 14
Corn, Field	66, 67, 68
Corn, Pop	12
Cotton Seed	70, 71, 72, 73
Cowpeas	69
Cress	13
Cucumber	14
Coniferous Evergreens	58
<b>D</b>	
Deciduous Shrubs	57
Dog Foods and Medicines	95
<b>E</b>	
Egg Plant	13
Endive	13
Evergreen Shrubs	59
<b>F</b>	
Fertilizer	92, 93
Feterita	83

	Page
Flower Seeds	36 to 46
Fountains for Poultry	96
Fruit Trees	60 to 65
Flower Planting Table	34
Flowering Plants	50 to 54
<b>G</b>	
Garden Fertilizer	92
Gold Fish and Supplies	94
Grass Seed	77, 78, 79
<b>H</b>	
Herb Seed	29
Horse Radish	2
<b>I</b>	
Inoculation	94
Insecticides	88, 89
<b>K</b>	
Kaffir Corn	83
Kale	13
Kohl Rabi	13
<b>L</b>	
Lawn Golf Grass Seed	77
Leek	13
Lettuce	15
Lespedeza	75
<b>M</b>	
Mangel Wurzel	8
Millet	83
Milo Maize	83
Muskmelon	16, 18, 19
Mustard	24
Mung Beans	80
<b>N</b>	
Nasturtium, Tall and Dwarf	42
Nursery Department	60 to 65
<b>O</b>	
Oats (Seed)	84
Okra	24
Onion Seeds and Sets	24, 25
<b>P</b>	
Parsley	24
Parsnips	24
Pasture Grass Mixtures	78, 79
Peanuts	83
Peas, Garden	25

## CASH WITH ORDER

Please send money with the order sufficient to cover the whole bill and remit by express, postal money order or check. We refuse to send goods "Collect On Delivery" unless remittances are made on account to guarantee acceptance. Our terms are cash.

## C. O. D. NOTICE

Absolutely no plants or other perishable goods will be sent C. O. D. We advise against C. O. D. orders because of delays and high collection charges which are unsatisfactory to the customer and expensive to us if uncalled for and returned at our expense. We accept C. O. D. orders for seeds in exceptional cases when 25% of the order amount is paid in advance. This deposit is meant to cover collection and return charges in case the order is not called for and paid for by the customer.

## FREE DELIVERY BY MAIL

We deliver free to any postoffice in the United States all Vegetable and Flower Seeds quoted in this catalogue.

The Parcel Post delivery being so convenient for those living away from their Postoffice, especially during their busy planting season, we have tried to quote all items in this catalogue Post Paid in small quantities, and will quote any other items prepaid to you if you will use our Special Quotation Sheet and list the goods you want, saying you want all transportation charges paid to you.

## ERRORS

While we exercise the greatest care in filling orders, endeavoring to do a little more than we offer, yet in the press of business errors sometimes will be made, in which event we wish to be promptly notified of the fact and will make such corrections as will be entirely satisfactory. Customers should be very clear and explicit in making out all orders, and thereby help us to avoid errors. Please keep copies of all orders for comparison.

## PLANTS, BULBS AND SLIPS

Plants, bulbs and slips are seldom forwarded on the same day with seeds ordered at the same time. They are packed separately and sometimes are delayed.

## NON-WARRANTY

Most of the failures with seeds, plants and bulbs are due to causes entirely beyond our control, such as unfavorable weather or soil conditions, too deep or shallow planting, etc., which renders it impossible for us to guarantee success. We will give no warranty as to description, quality or productiveness of any of the seeds, plants or bulbs we send out, and will not be in any way responsible for the crop, and every order for articles named in this catalogue will be executed on these conditions only.

	Page
Peas, Stock or Field	69
Peas, Table	69
Peppers	23
Plants, Vegetable	2, 3, 4
Poultry Supplies	96
Pumpkin	26
Pruning Shears and Saws	90
<b>Q</b>	
Quantity Price List	Inside Center
<b>R</b>	
Rape, Essex	85
Radish	27, 28
Roses	46 to 49
Rhubarb Roots	2
Rye	84
<b>S</b>	
Sagrain	82
Salsify	28
Seed Sowers	76
Spinach	28
Sorghum Seed	82
Soy Beans	80
Sprayers Guide	91
Spray Pumps	86, 87
Squash	29
Stock Peas	69
Strawberry Plants	2
Sudan Grass	82
Sunflower	85
Sugar Beets	8
Sweet Peas	85
Sweet Potato Plants	4
Swiss Chard	8
<b>T</b>	
Tomatoes	30, 31
Turnips	32
<b>V</b>	
Vegetable Plants	2, 3, 4
Velvet Beans	81
Vetch	81
<b>W</b>	
Watermelons	17 to 22
Wheat	85
<b>Z</b>	
Zinnias	45

# BUCHANAN'S ROOTS, HERBS & VEGETABLE PLANTS

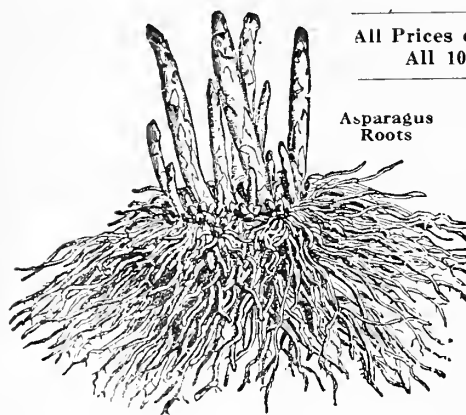


**HOW WE SHIP**—All Plants, Roots and Bulbs are forwarded by **Express or Parcel Post**; if by express, you pay charges when goods delivered to you; if by parcel post, charges paid by me. Notice that I quote Postpaid such Plants, Roots and Bulbs as can be sent by parcel post.

Many of my customers live at a distance from the express office, making it more convenient for them to receive their goods by Parcel Post, especially when they are busy in the spring, and we have a special department for packing **Live Plants** so they will reach you in the best of condition when shipped by Parcel Post.

All Prices on This Page Post Paid  
All 10c Pkts., 3 for 25c

FOR WHOLESALE PRICES—NOT PREPAID—  
See yellow sheet in center of catalogue



Asparagus  
Roots

ASPARAGUS—See Page 3

## Hotbed Cabbage Plants

These are grown in hotbeds and are, of course, a bright green looking plant, but they should not be planted out until the 10th or 15th of March.

Early Flat Dutch	Early Jersey Wakefield
Large Late Drumhead	Early Summer
Succession	Charleston Wakefield

Price—100, 45c; 500, \$1.50; 1,000, \$2.50, Post Paid.

Set in rows 30 in. apart, 15 in. in row, 10 to 14,000 to acre.

## (2) Rhubarb Roots

Roots such as we furnish should be set in well enriched soil at least five feet apart each way. The blossom stalks, however, should always be cut back so as not to exhaust the plant by going to seed. Each, 30c;  $\frac{1}{2}$  dozen, \$1.50; dozen, \$2.50.

(1)—**HORSE RADISH ROOTS**—As soon as the ground can be worked in the spring set the roots in rows, 26 inches apart, and about 16 inches apart in the row. 12 to 15,000 to acre, ready in 6 to 8 months. Price, dozen, 50c; 50 for \$1.50.

## Buchanan's Southern Grown Strawberry Plants

ALL PLANTS ARE GROWN ON THE BEST NEW LAND AND ARE SURE TO PLEASE YOU IN EVERY RESPECT.

Plant on good ground, deeply worked and well manured. Set in rows  $3\frac{1}{2}$  feet apart, 15 inches in row, for field culture; 15 inches each way for garden. Cultivate clean, mulch late in the fall and uncover early in the spring. Remove mulch after fruiting and spade in a light dressing of manure. About 7,000 plants to acre.

### PRICES, PARCEL POST PREPAID

All Varieties Except Progressive Everbearing

25 plants, 55c; 50, 85c; 100, \$1.25; 500, \$3.75; 1,000, \$6.50.

### PRICES, BY EXPRESS, NOT PREPAID, FROM GROWING STATION

1,000 plants, \$5.20; 5,000, \$25.00.

**EXCELSIOR.** This is the very earliest berry grown. A free plant maker and a firm dark red berry. Does well all over the country—north, south, east or west, and in every section is the king of all early varieties.

**MICHEL.** This berry and St. Louis ripen about a week later than Excelsior. The Michel is a good plant maker, berry very sweet, and in all a good one for nearby and home markets and home use.

**ST. LOUIS.** The very largest early berry grown. I have grown them so large 12 berries filled a quart box, so you can know by that they are large. The plant is very large; roots well and deep-set, and the berry is one of the most productive berries grown today. Season about a week later than Excelsior.

**LADY CORNEILLE.** This is a new variety; ripens with the Klondyke; is of good size and the shape is the best; very productive and a firm berry. I advise them for long distance shipments.

**LADY THOMPSON.** A good old variety, well planted; is in demand all over the Southwest; stands dry weather fine; a good plant maker, and a nice, well colored berry; a good shipper.

**MISSIONARY.** This berry does fine in Florida and Mississippi and the Eastern States. I have a good stock of them; season with Klondyke, which is considered mid-season.

**KLONDYKE.** The old standard variety; one set more than any other variety except Imp. Klondyke and Aroma. These three are set more for fruit for carlot shipments than any other grown today. Berry firm, a good plant maker and commands the highest market prices.

**IMP. KLONDYKE.** I find this berry a better berry than Klondyke. The plant is larger, berries larger and seem to be more productive than old Klondyke. It is almost impossible to tell one from the other with above exceptions.

**DUNLAP.** This berry is grown all over the North and Northwest with great success. I have big demand for them.

**AROMA.** The most planted berry of any mid-season to late variety grown today. I have them by the millions and can furnish any size order wanted.

**GANDY.** Only one variety I have grown is later than Gandy, and it is the Evening Star. I consider Gandy a good late berry.

**PROGRESSIVE.** The very best everbearing berry grown; none better; a good plant maker average season, bears all summer up to frost, and in all I consider them the best berry grown for a fall bearing sort. 25, 85c; 50, \$1.35; 100, \$2.25; 500, \$7.50, post paid. Not prepaid, by express—500, \$6.00; 1,000, \$11.00.

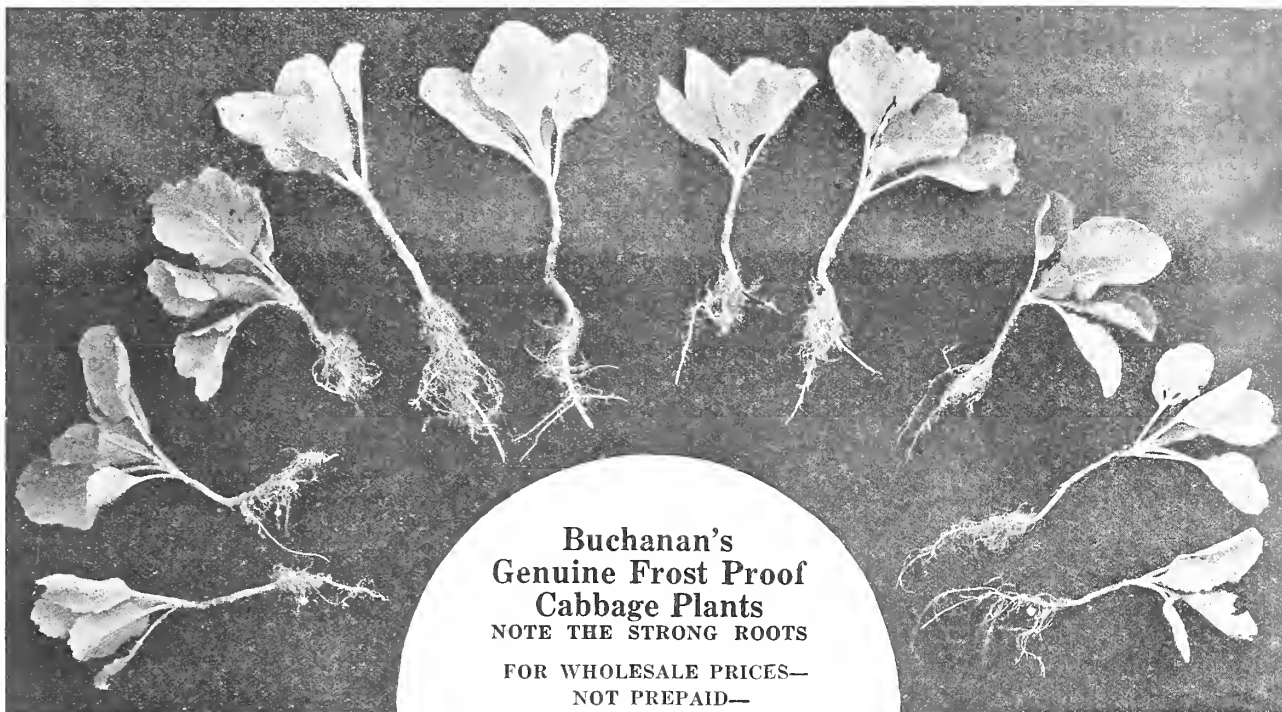
DELIVERIES OF ALL PLANTS WILL BE MADE SUBJECT TO CROP FAILURES AND OTHER CAUSES BEYOND OUR CONTROL



**R.B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.**



**BUCK BRAND TESTED SEEDS**



**Buchanan's  
Genuine Frost Proof  
Cabbage Plants**  
NOTE THE STRONG ROOTS

FOR WHOLESALE PRICES—  
NOT PREPAID—

See yellow sheet in center of catalogue

## Buchanan's Genuine Frost Proof Cabbage Plants are Tough and Hardy

OUR GENUINE FROST PROOF CABBAGE PLANTS have become one of the most important items that we list, and they being usually the first thing purchased by our customers, that we are devoting one of our first pages to them.

There is only one place where we have grown successfully the GENUINE FROST PROOF CABBAGE PLANTS, and that place is the low-lying sea islands along the coast of South Carolina, where the soil, climate and salt air from the sea make an ideal combination for growing these plants, and I ask you most sincerely not to confuse our GENUINE FROST PROOF CABBAGE PLANTS with the cabbage plants grown in hot beds or in the open in many parts of the south where the climate is warm, many miles inland from the sea, and advertised as FROST PROOF, as these plants will not stand the cold like our GENUINE FROST PROOF PLANTS.

BUCHANAN'S GENUINE FROST PROOF CABBAGE PLANTS will stand a temperature of 20 degrees above zero without injury, the land freezing, or the plants being covered with ice, sleet or snow after they are planted will not injure them, providing the temperature does not go below 20 degrees above zero.

The plants make a slow but steady growth until at eight or ten weeks of age, they are very tough and hardy. The buds are purple and the outer leaves a reddish brown. When they reach this condition (about January 1st) we begin shipping—our customers setting them out six to eight weeks before their home raised plants are ready for setting, and while the top of the plant does not grow until your regular spring weather opens up, THE ROOTS GROW FROM THE TIME THEY ARE PLANTED, and when Spring opens the plant grows very fast, maturing headed cabbage two to four weeks sooner than you can mature them from hot bed or cold frame plants.

BUCHANAN'S GENUINE FROST PROOF CABBAGE PLANTS will be somewhat wilted and have a hard, stunted appearance when you receive them. Do not let this disappoint you, as it is the natural way they grow. Plant them, the crop will not be disappointing. They are the genuine Frost Proof Plants.

**VARIETIES: EARLY JERSEY AND LARGE CHARLESTON WAKEFIELD, SUCCESSION AND EARLY FLAT DUTCH.**

Set Cabbage in rows 30 in. apart, 20 in. in row, 10,000 to 14,000 to acre.

**PRICES—PARCEL POST PREPAID**

100 for 40c; 200 for 75c; 500 for \$1.50; 1,000 for \$2.50

**By Express not Prepaid, from Growing Station.**

1,000, \$1.50; 3,000, \$4.00; 5,000, \$6.25; 10,000, \$10.00

### ASPARAGUS ROOTS AND SEED

## ASPARAGUS

One of the earliest and most delicious of all vegetables. You can have a fine bed of Asparagus by planting our Martha Washington Asparagus roots, and if roots are planted this spring you can cut from the bed next spring. With the seed, 1 to 2 years longer is required before you can make good cuttings.

**CULTURE**—Sow seed thinly in drills one foot apart early in the spring or fall after soaking seed in warm water for an hour. Use a rich, well worked light soil and when well up, thin plants to one inch apart and cultivate often until the plants are a year old.

Transplant or set out the roots in permanent bed, using the richest soil you have, thoroughly prepared and worked very deep. Set roots 4 inches deep and 18 inches apart in rows 4 to 6 feet apart. Cultivate frequently until plants meet in the rows. Use a plenty of stable manure or other fertilizer on bed before and after setting out roots, mixing well into soil. A sprinkling of salt and a dressing of fresh wood ashes and manure after plants die down each year is advisable. **Plant 100 roots to 15 by 20 foot bed; a packet of seed to 50 feet of row. Beds last about 8 years.**

### 5. Washington Asparagus Seed

The most superior strain of the finest and largest variety of asparagus now known. The names Martha and Mary Washington were given the finest female plants found and this is

a selected strain from the start of these plants. This Washington Asparagus is extremely resistant to asparagus rust, is a very vigorous grower and a very high-yielding strain of Giant Asparagus. It is the most uniform market type of all so-called rust-resistant varieties and really is uniformly rust-resistant, very large sized, high-yielding and being a rapid grower is very tender. It is without doubt the best Asparagus grown today and our seeds are the purest pedigreed seed of this finest variety. **Packet, 10c. Ounce, 20c. ¼ Pound, 65c. Lb., \$2.00.**

### 6. Washington Asparagus Roots

It will pay you, even if you already have an asparagus bed, to plant some of these large new Washington Roots. They are grown from the pure and original pedigreed seed and you may be sure of the finest and largest Roots of this excellent variety. Bunched for sale, the Washington looks so nice and is so fine that it brings higher prices than any other variety. For home use, you will be delighted with the "tips" in both quality and appearance over any other you have ever grown. They are firm and do not begin to branch until well out of the ground. Growing rapidly they are the tenderest of all. Be sure to plant some this year. Plant these extra large roots and save 1½ to 2 years time in having your bed ready for cutting. **Prices: 50 Roots, \$1.00. 100 Roots for \$1.75—postpaid. Not prepaid—100 for \$1.25. \$10.00 per thousand.**

**DELIVERIES OF ALL PLANTS WILL BE MADE SUBJECT TO CROP FAILURES AND OTHER CAUSES BEYOND OUR CONTROL.**





## Buchanan's Disease-Free Sweet Potato Slips

All Potato Plants packed  
in 100 to each bundle

Sweet Potato Slips are planted in rows about three feet apart, and the Plants set twelve inches apart in the row. It takes about 7,500 Plants for each acre of ground. For a home garden 1,000 Slips will make you a nice patch, and I ship many orders of 500 and even 100 Plants to those having small gardens.



Sweet Potato Slips

We begin shipping Sweet Potato Slips April 10, weather permitting, and ship every day until July 1, and have shipped as late as July 17. When ordering state what date you want your slips shipped. We believe May and June are the best months to set them.

We have a fine lot of seed of the Nancy Hall and Porto Rica varieties and comply with all state laws and can ship into any state. Our 20 years experience in pulling, packing, shipping is back of all slips we ship; have shipped slips to California, Florida, Texas and New Mexico, as well as our neighboring states, and have had them on the road six days without loss. Order early.

**NANCY HALL**—This is our most popular Sweet Potato, because of its early maturing and ready sale on all markets, especially the Northern markets, where the Southern Nancy Hall is known as the best eating sweet potato grown. Color, yellow, slightly running; ready to harvest in July, fine for cooking, but does not keep during the winter as well as the Porto Rica. Price, 100, 50c; 500, \$2.25; 1,000, \$3.50, post paid.

**PORTO RICA YAMS**—We have grown this Sweet Potato for five years and the demand for both Seed and Slips has increased each year; it is fine-grained, juicy, as good for eating as the Nancy Hall, and has the additional quality of being a good winter keeper. Color, golden red, running, late maturing, good keeper and I consider it the best Sweet Potato grown today for home use. Price, 100, 50c; 500, \$2.00; 1,000, \$3.25, post paid. Write or phone for prices on larger quantities.

## Buchanan's Bermuda Onion Plants

Thoroughly cultivate and prepare your land just as you would for any truck. For the best results plant in rows twenty-four inches apart and six inches in the row.

Sharpen a wooden stick, making a hole about two inches deep, place the plant in as you withdraw the stick and press the dirt firmly around the plant.

Cultivate very shallow as the onion roots grow near the surface and should not be disturbed. About all cultivation needed is scratching to kill the weeds. You will find the onion plant the easiest of all plants to grow. They will keep for weeks before planting if not allowed to become heated or wet. Keep them dry and give plenty of air if not ready to plant on arrival.

**Harvesting**—It is best to harvest when about 60 per cent of tops are soft at neck just above onion. Pull them up, let lay in sun for two or three days, giving tops a chance to descend into the onion, thereby increasing in weight and firmness. After this is done place the onions in a cool place with tops and roots cut off about one inch from onion. For keeping for home use let tops and roots remain and tie in bunches and hang in cool place. Be careful the place is not full of light, for light turns the Crystal Wax Onion green. You will find they keep for months in this manner.

**Soil**—Like everything that grows, the richer the land the heavier the yield. You will have very satisfactory results on all kinds of soil. Plant any day you can work the ground from September 1 to May 1.

The following is a table giving the set at different widths and average number of plants it will take per acre.

Width of Row	Width in Row	Plants per Acre
24 in.	6 in.	44,100
36 in.	6 in.	29,000

**YELLOW BERMUDA**—The most popular of all the Bermuda varieties. It is a light straw-colored onion. No onion compares with the Bermuda in mildness of flavor, and for this reason it is extensively planted, especially in the South, where it reaches perfection.

Price—100, 25c; 200, 45c; 500, 85c; 1,000, \$1.35, post paid.

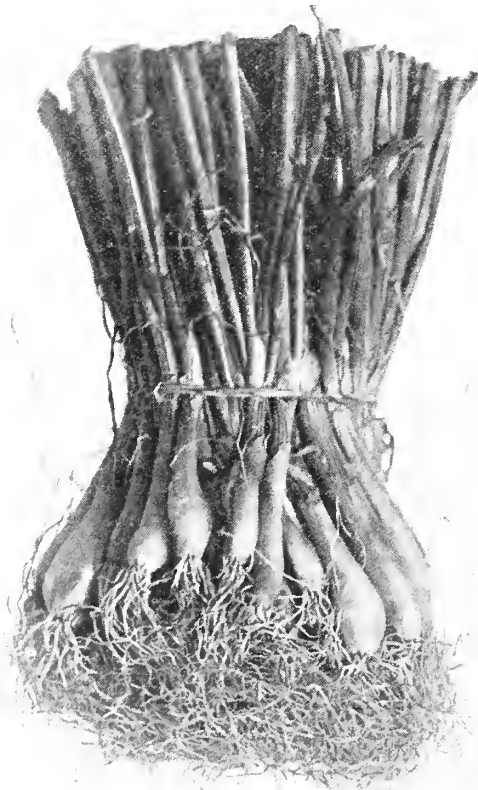
Price—by express not prepaid, from growing station to you—1 crate, 6,000 plants, \$3.75; 5 crates, 30,000 plants, \$17.50.

**CRYSTAL WHITE WAX BERMUDA**—No other onion has such clear, white skin, such mildness of flavor. It is deliciously tender and can be eaten raw like an apple. We begin shipping about September 1 and continue shipping Bermuda Plants until May 1 the following year.

Price—100, 35c; 200, 50c; 300, 75c; 500, \$1.00; 1,000, \$1.75, post paid.

Price—by express not prepaid, from growing station to you—1 crate, 6,000 plants, \$4.00; 5 crates, 30,000 plants, \$18.00.

Write or wire us for prices on larger quantities when wanted.



Onion Plants Bundled for Shipping

Deliveries of all Plants will be Made Subject to Crop Failures and Other Causes Beyond Our Control



## Beans—Dwarf or Bush Green and Wax Podded Varieties

**CULTURE.**—One quart will plant 100 feet of drill. Beans are somewhat tender, but it often pays to take some risks. Plant in warm, loamy soil at the beginning of settled, warm weather in spring, and at intervals for succession until September. Rows may be made 2 feet apart, and the Beans planted a few inches apart in the drills, or 3 or 4 Beans in hills 6 to 8 inches apart. Cultivate and hoe frequently, always, however, when the vines are perfectly dry. In hoeing draw the soil up towards the rows or plants. For String Beans, gather the pods clean as soon as fit for use. The plants will remain all the longer in bearing.

**BEAN PRICES.**—Beans now sold by the pound. A pound is approximately a pint; 2 lbs., slightly over a quart; 5 lbs., about 2½ quarts; 10 lbs., about 5 quarts; 15 lbs., equal to a peck, and a bushel weighs 60 lbs.

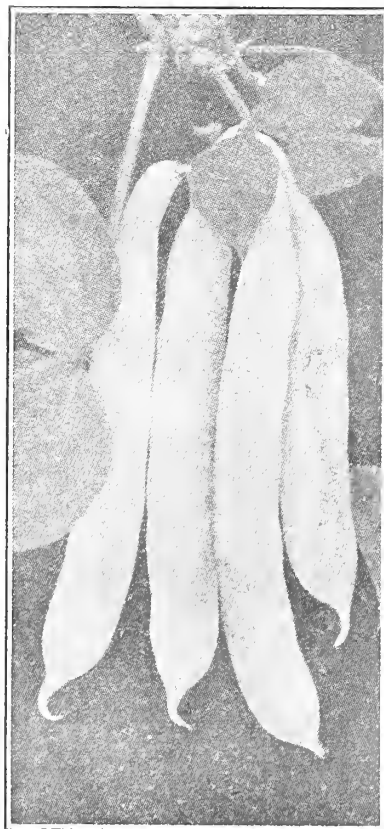
Bush Beans usually ready in 8 weeks; 1½ Bu. plants an acre.

All Prices on this Page Post Paid  
All 10c Pkts. 3 for 25c

	Pkt.	½ Lb.	1 Lb.	2 Lb.
37 <b>IMPROVED EXTRA EARLY RED VALENTINE.</b> A standard variety, extra early. The pods are produced in large clusters on erect plants. It is very prolific and reliable and an excellent shipper. The pods are of medium length, and about 4½ inches, medium green color, curved, cylindrical, with crease in back, very fleshy, crisp and tender. When the young plants have to contend with adverse weather conditions, no other dwarf bean is more certain than the Valentine is to set pods. If you plant our stock of this bean you are safe, as you are sure of obtaining from us a strain of seed that will produce exactly as desired	.10	.25	.40	.75
40 <b>STRINGLESS GREEN POD (BURPEE'S.)</b> This is one of the most popular and best of the stringless varieties. It is earlier than the Valentine, absolutely stringless, hardy, vigorous and productive. Pods are long and straight, round, meaty, of green color, and remain tender and crisp a long time after maturity, and are of excellent flavor. Seed of medium size and length, yellowish brown.	.10	.25	.40	.75
39 <b>BLACK VALENTINE.</b> This Bean has beautiful large pods about 6 inches long, slender, round and nearly straight; stringy, fibrous though fine grained, dark green in color. Seed black. An early, productive, profitable, gardener's variety. The plant is more vigorous and productive than the Red Valentine and pods darker green.	.10	.25	.40	.75
44 <b>GIANT STRINGLESS GREEN POD.</b> Exceptionally fine for either home use or market. The pods are round, 5 to 6 inches long, meaty, perfectly stringless and are borne continuously for weeks	.10	.25	.40	.75
38 <b>TENNESSEE GREEN POD.</b> A very hardy and healthy bean of recent introduction; is a good yielder of large, very flat pods, 6 to 7 inches long; dark green color and excellent flavor. Not entirely stringless. Its chief recommendations are earliness and vigor. This fine variety is planted very extensively in the South.	.10	.25	.40	.75
42 <b>BOUNTIFUL.</b> Excellent early green-podded bush Bean; very popular for early garden snaps. Plants are vigorous growers and prolific bearers of long, 6 to 7 inch, straight, broad, thick-flat pods of light green color. There is very little string on an old pod, no noticeable string in the snap stage	.10	.25	.40	.75
<b>Dwarf Wax Beans</b>				
55 <b>DWARF GERMAN OR BLACK WAX.</b> A very early dwarf growing variety, will stand close planting; very prolific, pods medium length, stringless and nearly round, of creamy white color. Seed small, oblong, solid black.	.10	.25	.40	.70
56 <b>BLACK WAX, CURRIE'S RUST-PROOF.</b> Very productive, rustless; long, flat pods, which are very crisp, brittle and tender when young. Seed black, fine for shipping.	.10	.25	.40	.70
57 <b>DAVIS WHITE KIDNEY WAX.</b> One of the most popular flat podded wax beans. Long, handsome, yellow pods of fine quality. Seed medium large, kidney shaped, clear white.	.10	.25	.40	.70
58 <b>BUCHANAN'S IMPROVED GOLDEN WAX.</b> One of the best Snap Beans, with golden yellow pod of excellent flavor. Medium in length, straight and oval. Seed white and mottled brown, round in shape.	.10	.25	.40	.70
60 <b>ROUND-POD, KIDNEY WAX (Brittle Wax).</b> The best of the round podded sorts; early, prolific; pods long, handsome shape and color; entirely stringless; quality excellent. Seed white with brownish-black eye.	.10	.25	.40	.70
59 <b>SURE CROP STRINGLESS WAX.</b> In many respects the finest wax bean ever introduced. It is very prolific and of the finest eating qualities. The handsome rich looking yellow pods are 6 to 7 inches long, almost round.	.10	.25	.40	.70
61 <b>WHITE NAVY OR BOSTON PEA BEANS.</b> Yield large quantities of white shell beans, which are used for baking	.10	.25	.40	.70



Red Valentine



Bountiful

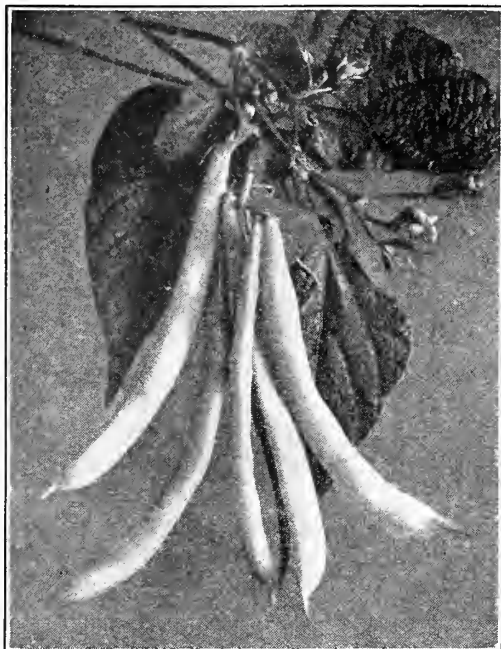




## Buchanan's Pole or Running Beans

**CULTURE.**—One quart will plant about 150 hills. Pole Beans require warm, rich, loamy soil and, in the South, should not be planted until two weeks later than Bush Beans. Plant in rows 4 feet apart each way, or in drills if wire trellis is used. Plant 4 to 6 beans around each pole, or 2 to 3 beans may be planted in hills a foot apart under a wire trellis. Cultivate freely and, if possible, top-dress around each hill with a small quantity of Buchanan's Truck Fertilizer. When hoeing, work this dressing well into the soil.

**FIELD PLANTING**—In rows 4 ft. apart and 3 ft. apart in rows.  $\frac{1}{4}$  to  $\frac{3}{4}$  Bu. to acre. Ready in 10 weeks. 60 lbs. in Bushel.



White Kentucky Wonder

FOR WHOLESALE PRICES—NOT PREPAID—

See yellow sheet in center of catalogue



Buchanan's Kentucky Wonder

All Prices on this Page Post Paid  
All 10c Pkts. 3 for 25c

	Pkt.	$\frac{1}{2}$ Lb.	1 Lb.	2 Lb.
67 KENTUCKY WONDER. Sometimes called Old Homestead. This is no doubt the most popular and practically useful of the green podded pole beans for use as snaps. It is early, very prolific, with showy pods of the most excellent quality. The vines are vigorous, climbing well and very productive, bearing pods in large clusters. The pods are very long, often measuring 9 to 10 inches, and are light green in color, curved and twisted nearly round, and very crisp when young, becoming irregular and spongy as they ripen. Seed long oval, slightly flattened, dun colored.	10	.25	.40	.75
68 WHITE CREASEBACK. This variety is valuable for its extreme earliness and its habit of perfecting all its pods within a short time. The vines are medium-sized, hardy and moderately productive. The pods measure 5 to 6 inches long, uniform, round, slender, slightly stringy, very fleshy, brittle and fine grained, good quality and dark green color. Seed small, oval, white.	10	.25	.40	.75
66 STRIPED SCOTIA OR CORNFIELD BEANS. A superb long green bean, succeeding better when planted in cornfield than any other variety. The handsome green pods average 8 or 9 beans to the pod, grow very uniform, about 6 inches long, thick meaty, rich and buttery. It continues in bearing so long it might be called "Everbearing." Specially adapted to growing on corn, thus economizing space on valuable land, or where poles are scarce. Seed small-medium, kidney shaped, mottled putty color with dark striping.	10	.25	.40	.75
72 WHITE OR SOUTHERN CORNFIELD. A popular early green podded pole bean for snap-shorts; of rapid growth and very productive. Pods grow in clusters and are from 5 to 6 inches in length, perfectly round, being deeply creased or "saddle-backed." The dry seed is pure white and excellent for winter use. Seed small oblong, white in color.	10	.25	.40	.70
71 WHITE KENTUCKY WONDER (Green Pod). This is truly a grand pole bean for home gardens and in this respect excels anything I know of. The pods are large and fill perfectly, and in the "snap" stage are deep green in color, meaty, stringless and of the finest flavor. When allowed to ripen the shell beans of pure white are most excellent for winter use. Seed small, oval, white in color.	10	.25	.45	.80
64 KENTUCKY WONDER WAX. This is one of the earliest of the wax podded sorts, and similar to the green podded Kentucky Wonder, but the pods are broader. The pods are very long, handsome light yellow, often over 8 inches long, very fleshy, brittle but stringy. Seed medium sized, oval, flattened, very irregular, usually somewhat shriveled, dark brown.	10	.25	.45	.75
65 McCASLAN. Of a rich dark green color; 10 inches long, flat, curved, and of good quality.	10	.25	.45	.75
69 RED SPECKLED CUT-SHORT. The pods are nearly 4 inches long, stout, straight and flat, stringy, fine-grained and light green color, of fair quality.	10	.25	.45	.75

FOR WHOLESALE PRICES—NOT PREPAID—

See yellow sheet in center of catalogue



## Buchanan's Pole and Dwarf Lima Beans

**CULTURE.**—One quart will plant about 150 hills. Pole Limas require warm, rich, loamy soil. Plant when the soil has become well warmed through in the spring as the seed will rot in cold, soggy soil. When poles are used for support they should be set not less than 4 feet apart each way. Plant 4 to 6 beans around each pole 2 inches deep and thin out to three plants to the pole. Cultivate frequently but shallow and use a top dressing of good commercial fertilizer or poultry manure, working same well into the soil.

**Field Planting**—In rows 4 ft. apart and 3 ft. apart in rows.  $\frac{1}{2}$  to  $\frac{3}{4}$  Bu. to acre. Ready in 10 weeks. 60 lbs. in bushel.

All Prices on this Page Post Paid  
All 10c Pkts. 3 for 25c

	Pkt.	$\frac{1}{2}$ Lb.	1 Lb.	2 Lb.
<b>77 BUCHANAN'S POLE BUTTER BEAN.</b> This is an improved strain of the small type regular Butter Bean. Both pods and beans are larger than Sieva, in fact they are very near as large as Large White Lima, and are wonderfully productive; vines always loaded with delicious, tender beans, and cook soft as butter.....	.10	.25	.45	.80
<b>78 CAROLINA SIEVA OR SMALL LIMA.</b> This is the true Butter Bean. The seed beans are very small and white. The plants are of large growth, very early, vigorous and productive, and will stand more heat and drouth than any other of the Limas, and are one of the best for planting in the South.....	.10	.25	.35	.65
<b>79 CALICO LIMA (Pole).</b> The most wonderful producer in the world. The beans are all colors, blotched, blue and red mottled; medium in size and superb in quality. This is an old garden variety that was lost track of for some time, but we have been fortunate in having a nice stock grown the past season. Don't miss Calico Beans when making up your order.....	.10	.25	.40	.75
<b>80 BUCHANAN'S MONSTROUS LIMA.</b> The pods of this variety are very large, often measuring 8 inches long and containing seven beans of the most excellent quality, and bearing about the same time as the Large Lima, and the vines are vigorous and strong-growing and are exceptionally productive. The seed are very large.....	.10	.25	.45	.75
<b>74 EARLY JERSEY.</b> About a week earlier than Large White Lima, with pods, and beans somewhat smaller.....	.10	.25	.45	.75
<b>75 LARGE WHITE LIMA.</b> This well known variety is one of the best of the larger varieties for planting in the South.....	.10	.25	.45	.75
<b>76 KING OF THE GARDEN.</b> An improved strain of the Large White Lima. The pods are about an inch longer, proportionately wider, and uniformly 4-seeded.....	.10	.25	.45	.75

FOR WHOLESALE PRICES—NOT PREPAID—  
See yellow sheet in center of catalogue

### Dwarf or Bush Varieties

**CULTURE**—One quart will plant 100 feet of row, or 3 pecks to the acre. Bush Limas require the same cultivation as stated above for Pole Limas, except that the rows should be 2 feet apart and 6 inches of space between each plant in the row.

**Field Planting**—In rows 4 ft. apart and 6 in. apart in rows.  $\frac{1}{2}$  to  $\frac{3}{4}$  Bu. to acre. Ready in 10 weeks. 60 lbs. in bushel.

<b>49 HENDERSON'S BUSH.</b> One of the most valuable of the bush varieties owing to its extreme earliness, hardiness and productiveness. The plants are without runners but continue to grow and set until stopped by frost. The leaves are small and very dark green. The pods are small, about 3 inches long, containing 3 to 4 beans, which are of excellent quality, either green shelled or dry. This variety is much in favor with the canners and none better for the home garden.....	.10	.25	.35	.65
<b>50 BUCHANAN'S BUSH BUTTER BEAN.</b> This variety is very similar to Henderson's Bush, being quite similar in character and habit of growth, though the beans are somewhat larger and thicker. Pods are ready for use a week earlier than Burpee's Bush Lima.....	.10	.25	.45	.80
<b>48 FORDHOOK BUSH.</b> This is the only variety with a stiff, erect bush form habit, branching freely, but branches of upright growth. The pods are produced in large clusters, medium green, about 5 inches long and each containing 4 to 5 large beans of the finest quality.....	.10	.30	.55	1.00
<b>46 BUCHANAN'S NEW CALICO OR JACKSON WONDER BUSH BUTTER.</b> 75 days to edible condition. Pods short, used also for shelling. Name "Calico" derived from appearance at maturity. An excellent Southern bean, both for family use and for shipping, cannot be too highly recommended.....	.10	.25	.45	.80

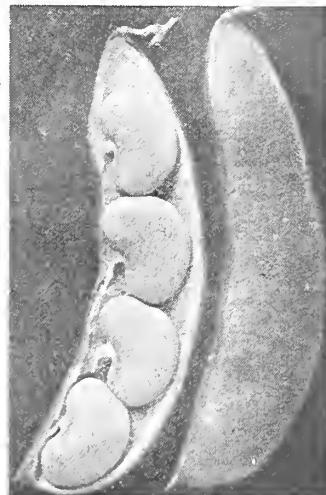


Buchanan's Pole Butter Beans

#### DROUGHT WARNING

Owing to the world-wide drought during 1930, I know that many crops of garden and field seeds are a total failure and many stocks will be exhausted before long.

I urge my friends and customers to place their orders now for the seeds they will need for planting the 1931 crop. R. B. BUCHANAN.



Buchanan's Bush Butter Beans

All Seeds listed on this page are delivered transportation paid in the U. S. or possessions.



## Garden Beets, Sugar Beets, Stock Beets

One ounce will sow 50 feet of drill.

**CULTURE.**—Sow as early in the Spring as the ground can be worked, and every two weeks after for a succession up to the first of July. Sow in rows from 1 foot to 15 inches apart, and when well up, thin to from 4 to 6 inches. About 6 lbs. of seed to the acre for garden or stock feed. If you are growing for sugar then about 2 pounds of seed to the acre. For general crop, sow about March 15 to May 15. The soil best adapted for beet culture is a light, sandy loam, must be well enriched with stable manure and plowed and harrowed until very fine. Young beet plants make a fine quality of "greens" and are superior to spinach and turnips for this purpose. The consumption of beets increases every year. We offer carefully selected and most popular varieties.



Market Gardener Beet

## BRUSSELS SPROUTS

**8—DWARF IMPROVED**—Bearing a large crop of small, solid tender heads. Pkt., 10c; 1 oz., 25c; ¼ lb., 75c.

**7—WHITE CAPE BROCCOLI**—The Cape Broccoli is the best type for the South and you will do well to have it in your garden this year. The plants are very hardy, vigorous and easily grown. The heads are white, compact, hard and of fine quality. Pkt., 10c; 1 oz., 60c; ¼ lb. \$2.00.



Swiss Chard, or Sea Kale

All Prices on this Page Post Paid  
All 10c Pkts. 3 for 25c

	Pkt.	1 Oz.	¼ Lb.	1 Lb.
<b>17 BUCHANAN'S MARKET GARDENER BEET.</b> Our gardeners' favorite owing to its extreme earliness and uniformity in both shape and color. It is without a doubt the best beet for the home garden, or for canning. The tops are small and upright in growth. The leaves are dark green, shaded red. The roots are medium size, globular, very smooth and of dark blood red color, while the flesh is a deep vermilion red zoned with lighter shade. It is unsurpassed in quality .....	.10	.20	.45	.95
<b>19 BUCHANAN'S CRIMSON GLOBE.</b> A rich, deep crimson beet of perfect globe-shape, smooth and clean. Matures very early, is of a most attractive appearance, and in quality is not surpassed by any other variety. We recommend it not only for market gardeners and truckers, but for the home garden as well .....	.10	.15	.25	.75
<b>21 EARLY BLOOD TURNIP.</b> An extra selected, smooth, dark red beet of uniform size and first-class quality. One of the best for main crop, also for sowing in May or June to make late beets for storing for winter. ....	.10	.15	.25	.75
<b>20 EXTRA EARLY EGYPTIAN.</b> One of the very earliest, with small tops and best for forcing or early outdoor planting. Roots distinctly flat and moderately thick, very dark red; flesh dark purplish red, zoned a lighter shade .....	.10	.15	.25	.75
<b>24 CROSBY'S IMPROVED EGYPTIAN.</b> More largely planted for early market than any other kind, and has proved a most profitable and satisfactory crop, particularly with our truckers and large shippers ...	.10	.15	.25	.75
<b>22 EXTRA EARLY ECLIPSE.</b> A very early beet, making handsome, smooth, round roots with small top and small tap-root, and nearly as early as the Egyptian. Color, bright red; flesh fine grained, sweet and tender .....	.10	.15	.25	.75
<b>25 LONG SMOOTH BLOOD.</b> Recommended for late sowing to make a crop to put away for Winter. A fine keeper, remaining sweet and tender until Spring .....	.10	.15	.25	.75
<b>23 DETROIT DARK RED TURNIP.</b> Round; skin dark blood red, flesh bright red .....	.10	.15	.25	.75

## Mangel Wurzel or Sugar Beets

**CULTURE**—One oz. will sow 50 feet of drill. For Field Planting—Rows 3 feet apart plants 6 inches apart in rows. 6 lbs. to acre. Ready in Fall and Winter.

<b>30 MAMMOTH LONG RED.</b> The largest stock beet, yields 40 to 50 tons to the acre .....	.10	.15	.20	.60
<b>29 GOLDEN TANKARD.</b> The tops are comparatively small, with the one-leaf stalk and veins distinctly tinged with yellow .....	.10	.15	.20	.60
<b>35 LANE'S IMPERIAL</b> .....	.10	.15	.20	.60
<b>36 KLEIN WANZLEBEN</b> .....	.10	.15	.20	.60

All varieties Mangels, 5 lbs. \$2.00; 10 lbs. \$3.50; 25 lbs. \$8.00.

## Swiss Chard

One ounce will sow 100 feet of row.

## Silver Beet, or Cut and Come Again Spinach

**CULTURE**—Grown for its leaves only; one of the best early Greens. Cook the leaves as you do spinach and the stems in cream as asparagus. Leaves grow to enormous size, 20 inches to 2 feet in length. The plant is almost perpetual if kept trimmed, but it is better to have a new crop every year.

<b>26 SWISS CHARD (Silver or Sea Kale).</b> Its yellowish-green, large leaves are used as greens and the middle leaf-rib served like asparagus .....	.10	.15	.30	.90
<b>27 SWISS CHARD (Lucullus).</b> An improved type of Chard. Of more upright growth than the Silver variety; leaves yellowish-green, much crumpled and curled; mid-rib and veins white; stalks thick, broad and flat, and as large as rhubarb .....	.10	.15	.30	.90



## Buchanan's Carrots, Celery and Cauliflower

### Carrots

**CULTURE**—For main crop, sow from middle of May to the first of July. Thin out early crop to 5 inches in the row, main crop 6 to 7 inches, the rows 10 inches apart for early crop, 14 for main crop. Hoe often and deeply between the rows. Soil light and loamy, richly manured and deeply dug. Sow at the rate of 2 to 3 lbs. to the acre.

For Fall Planting—Rows 1 to 2 feet apart, plants 3 in. apart in row. 3 to 4 lbs. to acre. Ready in 50 days.

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All 10c Pkts., 3 for 25c

**103—OXHEART OR GUERANDE**—One of the heaviest yielders and the best for stiff and heavy soils where the long varieties would fail. The roots are often 3 to 3½ inches thick at the top; nearly oval in shape; the flesh is bright orange, fine grained and sweet. Of the finest table qualities and equally good for stock. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00.

**105—BUCHANAN'S HALF LONG DANVERS**—One of the most productive and suits all kinds of soils. The roots are smooth and handsome, deep orange color, medium length, tapering to a blunt point. The flesh is sweet, crisp and tender. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00.

**106—BUCHANAN'S IMPROVED LONG ORANGE**—Especially fine on light soils, making long, smooth, tapering roots of a deep orange color, free from side roots and superior in every respect. A fine winter sort for table, market and stock. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., 90c.

**107—LARGE WHITE BELGIAN**—Grown exclusively for stock feeding. Roots about 16 inches long and very thick, white under ground and green above; grows about one-third above ground. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., 85c.

**104—SCARLET HORN, EARLY**—Very thick roots; fine for frames. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00.

### Celery

**CULTURE**—1 ounce of seed makes 5,000 plants. Set in rows 3 ft. apart, 6 in. in row, 20,000 plants to acre. Ready in 5 months.

**121—IMPROVED WHITE PLUME**—A magnificent celery for early use, and being self-blanching, requires but little working. The stalks and leaves naturally turn white upon reaching maturity. In succulence, crispness and flavor it is all that can be desired. Pkt., 10c; 1 oz., 30c; ¼ lb., 85c; 1 lb., \$3.00.

**122—GOLDEN SELF-BLANCHING**—American grown. The best self-blanching sort, it acquires a handsome golden color without having to be hilled up, which makes a very valuable market sort. Pkt., 10c; 1 oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00.

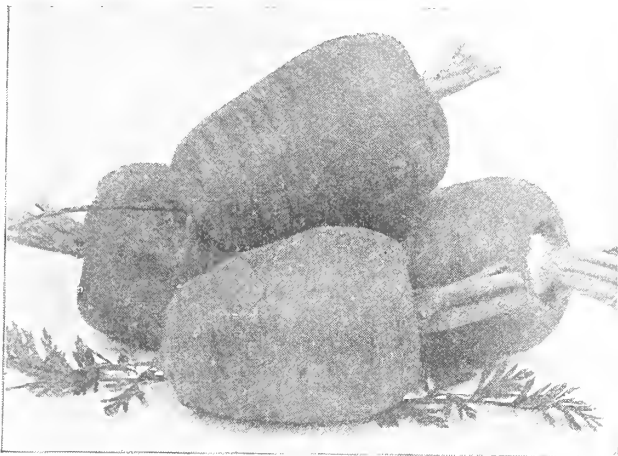
**French Grown**—Pkt., 25c; 1 oz., 75c; ¼ lb., \$2.50; 1 lb., \$8.00

**123—GIANT PASCAL**—In the South this is more generally grown than any other late celery. For fall and early winter it is certainly one of the best. It makes large, thick, solid stalks, with a beautiful creamy-yellow heart; blanched easily and quickly; very crisp and of fine nutty flavor. Pkt., 10c; 1 oz., 30c; ¼ lb., 90c; 1 lb., \$3.00.

### Cauliflower

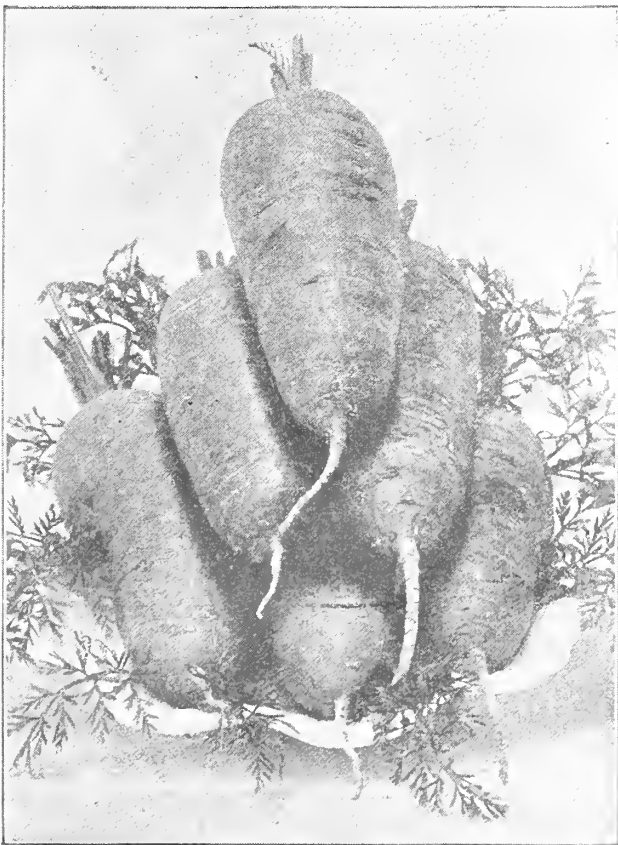
**CULTURE**—The same as for cabbage, except that extra manure and plenty of water will pay upon Cauliflower.

**109—EXTRA EARLY SNOWBALL**—There is no better Cauliflower for Southern growers, and our strain is as fine as can be had at any price. It is not only the earliest to head, but a remarkably sure header, making large, solid, perfect, pure white heads of the finest quality. Late summer and fall crop. Price, Pkt., 20c; ½ oz., \$1.15; 1 oz., \$2.00; ¼ lb., \$3.75; 1 lb., \$14.00.



Oxheart or Guerande Carrot

**108—EARLY HALF LONG CHANTENAY**—65 days. An excellent medium early, half long variety. One of the best for marketing and home use, very productive and desirable. Roots are thick, five and one-half to six inches in length, uniformly half long or stump rooted but tapering slightly, smooth orange-red color. Flesh very crisp and tender. Extensively used for bunching. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00.



Half Long Chantenay Carrot





## Buchanan's American Grown Cabbage Seed

**CULTURE**—One ounce will produce 3,000 plants. For early use the seed should be started in the house or hotbed, January or February. When the young plants are well started, transplant so as to stand 3 inches apart each way. About the end of March they may be transplanted into the garden in rows 3 feet apart, setting the plants 18 inches apart each way. For late use, sow the seed about the middle of May, or sowings can be made up to July 10, in a finely prepared seed bed, later transplanting to rows 3 feet apart, setting the plants 2½ feet apart. Protect against ravages of insects. See Insecticides, pp. 88, 89.

All Prices on This Page Post Paid.  
All 10c Pkts., 3 for 25c

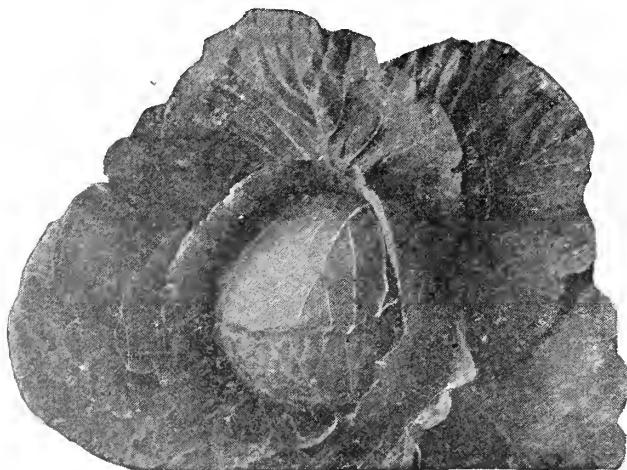
FOR WHOLESALE PRICES—NOT PREPAID—  
See yellow sheet in center of catalogue



Early Jersey Wakefield



Golden Acre



Large Late Flat Dutch

### Early Varieties

**86—EARLY JERSEY WAKEFIELD**—A leading variety and one of the best for private or market gardeners' use; conical shape. Pkt., 10c; oz., 35c; 2 oz., 65c; ¼ lb., 90c; 1 lb. \$2.15.  
**102—EXTRA EARLY EUREKA CABBAGE**—This is a valuable extra early variety, coming into use as early as Wakefield. The heads are round, slightly flattened and very solid. Fine market gardener's stock. Pkt., 10c, 1 oz., 40c; 2 oz., 75c; ¼ lb., \$1.00; 1 lb., \$3.50.

**87—CHARLESTON LARGE WAKEFIELD**—This is a few days later than the Early Jersey Wakefield, but makes a larger and firmer head. We strongly recommend it as the best main crop early cabbage grown, for the home garden and market. Our seed of this is grown from a specially selected stock. Pkt., 10c; 1 oz., 35c; 2 oz., 65c; ¼ lb., 90c; 1 lb., \$2.15.

**90—EARLY SPRING**—The earliest flat headed variety. The plants are vigorous, very compact, with few outer leaves and a short stem. The leaves are nearly round, broad, smooth and of distinctive light green color. Pkt., 10c; 1 oz., 35c; 2 oz., 65c; ¼ lb., 90c; 1 lb., \$2.15.

**94—COPENHAGEN MARKET**—The earliest, large, round-headed cabbage yet introduced. The heads are round, very solid and exceptionally good quality. Pkt., 10c; 1 oz., 40c; 2 oz., 75c; ¼ lb., \$1.00; 1 lb., \$2.50.

**84—GOLDEN ACRE**—The outstanding new variety of today. Earliest round heading variety; extra early strain of Copenhagen market type, maturing round, hard heads, slightly smaller, but about one week earlier than the best and earliest Copenhagen market. Small stalks and outer leaf growth, allowing close planting; has a smoother and slightly greener leaf than Copenhagen, stands heavy manuring and makes on rich soil practically as large heads as Copenhagen. Heads of our Golden Acre are remarkably solid, of fine quality and with small core. It is a money maker for the shipper for highest early market prices, a fast seller because its size suits the small family and more are sold to larger families. Also fine for early home garden cabbage. Pkt., 10c; 1 oz., 50c; 2 oz., 85c; ¼ lb., \$1.50; 1 lb., \$5.00.

### Second Early Varieties

**98—ALL HEAD EARLY**—The largest heading of the second early sorts, of excellent quality. The deep flat heads are remarkably solid, and very uniform in size, of a very compact growth, having a few outer leaves; can be planted as close as the Wakefield. Pkt., 10c; 1 oz., 20c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$1.75.

**96—SOLID SOUTH**—A magnificent cabbage, resembling the Early Summer. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$1.75.

**89—EARLY WINNINGSTADT**—Conical shape; quality very good. This variety is especially adapted for light soils. Pkt., 10c; 1 oz., 25c; 2 oz., 45c; ¼ lb., 60c; 1 lb., \$1.75.

**99—EARLY DRUMHEAD**—A second early, large, round, solid-heading variety. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 60c; 1 lb., \$1.75.

**101—EARLY FLAT DUTCH**—This is a grand second early cabbage, of large size. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$2.00.

**95—EARLY SUMMER**—A second early cabbage, which matures about ten days after the Jersey Wakefield. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 60c; 1 lb., \$1.75.

**85—ALL SEASONS**—An early Drumhead cabbage. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 60c; 1 lb., \$1.75.

**91—SUCCESSION**—Long a favorite with Southern market gardeners and shippers. A good second early, following in maturity varieties like our All Head Early and Sure Crop. Medium to large size, solid and a reliable header. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$2.00.



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All 10c Pkts., 3 for 25c See yellow sheet in center of catalogue

## Late or Winter Varieties

**97—SUREHEAD**—This variety produces large heads, weighing 15 to 20 pounds. The quality is good, and it can be grown either as a second early or late sort. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$2.25.

**93—IMPROVED LARGE LATE FLAT DUTCH**—Heads large, bluish green, round, solid and broad on top, more extensively planted than any other variety. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$2.25.

**92—IMPROVED LARGE LATE DRUMHEAD**—We recommend this for late market. For heading, evenness of crop and size, our strain of this cannot be surpassed. Pkt., 10c; 1 oz., 25c; 2 oz., 45c; ¼ lb., 75c; 1 lb., \$2.25.

**100—DRUMHEAD SAVOY**—This is undoubtedly the finest type of Winter Cabbage. After having been frosted it boils like marrow, and is not surpassed even by the cauliflower in its best condition. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 80c; 1 lb., \$2.75.

**88—MAMMOTH RED ROCK**—This is the largest variety of Red Cabbage and produces heads which are remarkably solid, more so than any other kind. The heads are round with spreading outer leaves and matures at a late season. It is the best and most attractive Red Cabbage grown. Pkt., 10c; 1 oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.25.

## Chinese Pe-Tsai or Celery Cabbage

**83—CELERY CABBAGE**—Chinese or Pe-Tsai. A wonderful salad plant, growing 15 or 16 inches high, somewhat resembling cos lettuce or probably more like Swiss chard. It yields an unusual amount of most excellent salad. Cut up like cabbage and served with mayonnaise or French dressing, it makes a splendid cole-slaw. Can be boiled like cabbage if cooked quickly and served with cream sauce, but is without the strong flavor and odor of cabbage. The hearts blanch to a crystalline white; whiter than lettuce and more beautiful than cabbage—every leaf, including the outside ones, is delicate and tender. Be sure to plant some just to know how good it is.

Sow early in the spring and again in July and August, transplanting 18 inches apart in 2½-foot rows. Time your spring planting so it will head before hot weather; it heads in 80 to 90 days. Pkt., 10c; oz., 30c; 2 ozs., 50c; ¼ lb., 80c; 1 lb., \$2.75.

## Southern Collards

**CULTURE**—One ounce will produce about 1,500 plants, or 150 feet of row. In the South, seed may be sown from January to May and from August to October.

**127—GEORGIA WHITE CABBAGE**—Whiter and more tender than the Blue Stem. Introduced 15 years ago. Three-fourths of them bunch or head up in winter, weighing 10 pounds or more. Plants grow 30 to 40 inches high and as much across. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 30c; 1 lb., 90c.

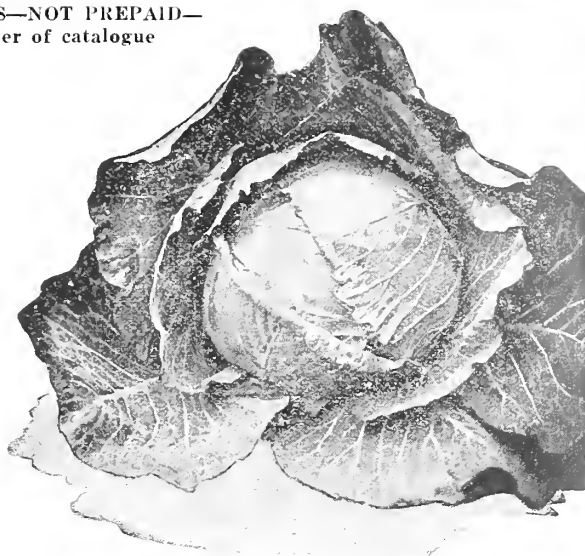
**126—SOUTHERN OR BLUE STEM**—This variety is the old-time favorite. It stands all sorts of adverse conditions without injury, and will make a good crop where the soil is too poor to grow cabbage, and it makes an excellent substitute for that vegetable. Is very hardy, stands winter without serious injury. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., 85c.

**128—NORTH CAROLINA**—A decided improvement, and has proved very popular wherever grown. Has short stem, large spreading leaves, very hardy, withstanding drouth in summer and cold in winter. Its flavor and cooking qualities are the very best. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., 85c.

## Chicory

**119—WITLOOF-CHICORY, OR FRENCH ENDIVE**—Witloof is used principally as a winter salad, and is most delicious served with French dressing and eaten like cos lettuce. The seed should be sown in the open ground and not later than June in drills 12 to 18 inches apart, and the seedlings should be planted to stand not closer than 3 inches. Pkt., 10c; 1 oz., 25c; 2 oz., 40c; ¼ lb., 65c; 1 lb., \$1.20.

**120—CARDOON**—Large Spanish. Main stalks are blanched like celery; used for salad or in soups. Pkt., 10c; oz., 50c; ¼ lb., \$1.25; lb., \$4.50.



Early Flat Dutch



Succession



Late Drumhead

### DROUGHT WARNING

Owing to the world-wide drought during 1930, I know that many crops of garden and field seeds are a total failure and many stocks will be exhausted before long.

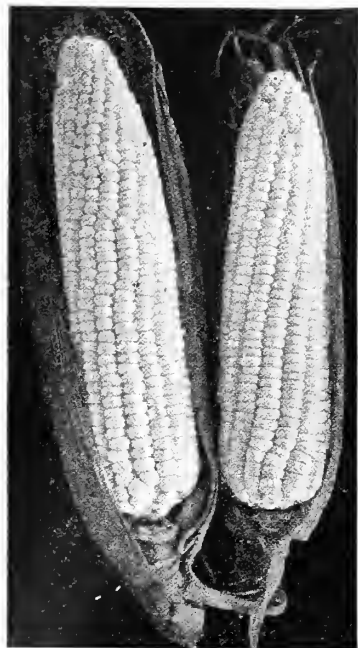
I urge my friends and customers to place their orders now for the seeds they will need for planting the 1931 crop.

R. B. BUCHANAN.

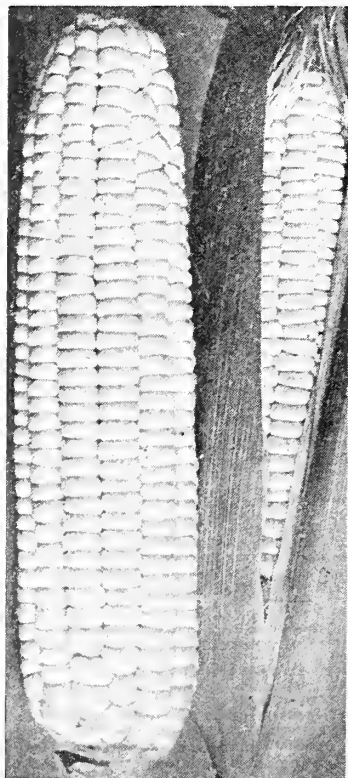


## Corn—Sugar Sweet and Roasting Ear

**CULTURE.**—One quart will plant 200 hills; 8 quarts will plant one acre. Sweet Corn varies greatly in hardness, earliness, size and sweetness. The early sorts grow only 3 to 5 feet high and may be planted when the trees are starting out in leaf, about the middle of March, in rows 3 feet apart, making the hills about 1 foot apart. The later and sweeter varieties are more tender and should not be planted until the trees are in full leaf or the seed will rot in the ground. Plant garden corn in rows 3 feet apart, making the hills 18 inches apart in the rows.



Buchanan's Early Adam's

**ORDER EARLY**

Buchanan's Large Adam's

All Prices on this Page Post Paid  
All 10c Pkts. 3 for 25c

### Extra Early Varieties

- 135 EXTRA EARLY ADAMS (Sweet).** Owing to its extreme earliness it is used for a first early table corn in the South. The stalks are about 4 feet high, with small tassels, very few leaves, and without suckers. The ears are short, very full, 12 or 14-rowed, often nearly as thick as they are long and well covered with coarse husks. The kernels are white and smooth. This is an extremely hardy variety which can be grown closer together than most sorts. . . . .10 .15 .25 .45
- 134 GOLDEN BANTAM (Sugar).** The sweetest and most delicious extra early corn for the home garden. Extremely early and very productive. The stalks grow only 5 feet in height and, where space is limited, the hills can be as close as 2½ feet apart. Each stalk bears two or three well-filled ears, 6 to 7 inches in length. The kernels are of a beautiful yellow color, very milky, tender and sweet. Golden Bantam combines all the best qualities desired in Sweet Corn. We recommend it most highly for every garden, especially the small ones where space is limited. . . . .10 .20 .35 .65

### Medium Early Varieties

- 136 ADAMS EARLY LARGE (Sweet).** One of our leading varieties. Matures about two weeks later than the Extra Early Adams, but ears are larger and handsomer. The stalks are vigorous, averaging seven feet in height, and well bladed. This and the Adams Extra Early are very hardy and can be planted earlier than sweet corns. Has small stalk and can be planted close. More valuable for the market than for home gardens, as this as well as Adams Extra Early, lacks fineness of flavor found in sweet varieties. . . . .10 .15 .25 .45
- 137 TRUCKER'S FAVORITE (Sweet).** For a second early, to follow Early Adams, this is unquestionably one of the best; or for planting late to mature quickly it is equally valuable. It is a white corn, with good depth of grain, tender and sweet, and a most desirable size for roasting ears. Besides being a fine garden corn, it is a splendid field corn to follow potatoes and other early crops. The ears are large and well filled. A big advantage in growing Trucker's Favorite is that should you not use it all for roasting ears; it will make large ears for making meal or feeding. It makes the largest ear of any early garden corn, averaging over 8 inches long. A fine combination of earliness and size; hardy and can be planted early. . . . .10 .15 .25 .50
- 139 EARLY MINNESOTA (Sweet)** . . . . .10 .15 .25 .50
- 142 BLACK MEXICAN (Sugar)** . . . . .10 .25 .40 .70

### Main Crop Varieties

- 138 STOWELL'S EVERGREEN (SUGAR).** The standard main crop variety, much used for the home garden, market, and canning. It is hardy and productive, very tender and sugary, remaining a long time in condition suitable for boiling. Our stock has been carefully grown and selected to avoid the tendency to a shorter grain and deterioration in the evergreen character of this best known of all late sorts. The ears are about 10 to 12 inches long, 14 to 20-rowed, with very white grain. The stalks are about 7½ feet high. . . . .10 .20 .30 .55
- 140 COUNTRY GENTLEMAN (SUGAR).** One of the best known of the mid-season varieties. It is the old shoe-peg type of kernel, pure white, very sweet and tender. It is a good yielder, producing 2 to 3 good-sized ears to the stalk. The cob is small and densely covered with irregular rows of very long, slender, white grains of excellent quality. Do not fail to plant some of this variety in your garden this year. . . . .10 .20 .30 .55

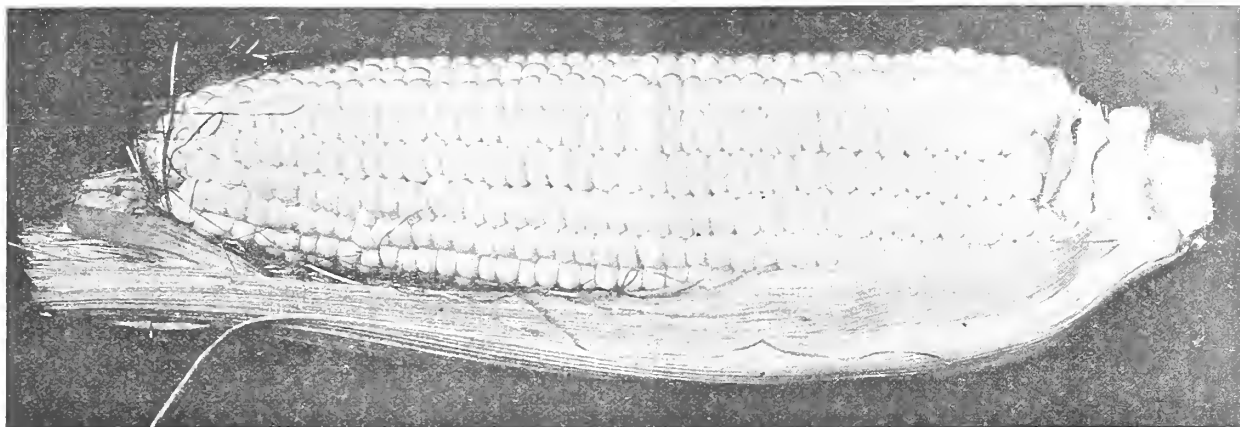
### BUCHANAN'S POP CORN

Will give you, your friends, your children and their friends more pleasure during the long winter evenings than most any other form of entertainment. A 10c package will plant a row in the garden; a pound will plant a good patch and 5 or 6 pounds will plant an acre drilled in rows 3 feet apart. Pop corn planted thickly also makes a fine feed for stock, many preferring it to sorghum.

- 31 POP CORN (Japanese Hull-Less).** Best and cleanest popping corn. Very small, white full ears. Not as heavy bearing but pop corn men prefer it at a higher cost than all others for popping. . . . .10 .20 .30 .55
- 32 POP CORN (White Rice).** Give the children corn to pop during winter. White Rice has white, large pointed grains that pop nicely. . . . .10 .20 .30 .55
- 33 POP CORN (Golden Queen).** This variety has large yellow grains that pop nicely and it is the standard yellow pop corn for the South. . . . .10 .20 .30 .55



# Buchanan's Early Surprise Roasting Ear Corn



Early Surprise

## SELLING ROASTING EARS VERY PROFITABLE

Did you ever stop to figure the profit from a small piece of land when planted to early corn and sold for roasting ears?

## THE FIGURES SHOW SURPRISING PROFITS

My attention was attracted some two or three years ago to one of my customers, who sells on the Memphis Curb Market, and I noticed that he always had roasting ears for sale from the time they first come in, about May 15, until frost, about October 15. Why? Simply because I am a truck farmer and roasting ears are the most profitable crop that I can grow—and he told me this:

## NO SECRET AND I CAN NOT LOSE

I prepare my ground and make a very early planting of the Adams corn and Buchanan's Early Surprise at the same time. While the Adams does not make as large an ear as Buchanan's Early Surprise, it matures earlier and I have it ready for my customers and bringing in money before the Early Surprise is ready, and a long, long time before my neighbors have green corn, who depend on the field varieties for their first roasting ears. About the time my Adams is giving out my Early Surprise is coming in and by continuous plantings of the Buchanan's Early Surprise, which is the quickest maturing of any good size corn that I know, I can keep green corn on the market until frost, and what is left in the field I let harden and feed to my stock.

**141 EARLY SURPRISE.** A wonderful roasting ear corn, especially bred for market gardeners' use; when planted at the same time as Large Adams it is ready for use just when the Large Adams is giving out; it is the best corn to use for succession plantings all through the season. In eating, this corn is slightly sweet, resembling sugar corn in taste. One of our market gardener customers produced three crops of roasting ears on the same ground this past season with this wonderful corn. Average height of stalk about 6 feet, the ear is thick, well grained to the end of the cob, rows of grain straight and uniform. When cut green for market the ears average from 12 to 14 inches in length, sell quicker and command a much better price than corns of the Adams type. It is very productive, producing two and often three good ears to the stalk. Being hardy, can be planted at same time as Adams Early, as it will stand much cold and wet weather.

Packet, 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 50c; 7 lbs., 90c; 14 lbs., \$1.60; 28 lbs. (½ bu.), \$2.75.

## KALE OR BORECOLE

**CULTURE**—One ounce to 200 feet of row; 4 pounds to the acre. Kale is extensively grown in the South during the fall, winter, and spring. Seed may be sown any time from August to October and again during February and March, broadcast or in drills, 18 inches apart.

**187 DWARF CURLED SIBERIAN.** Very hardy and vigorous growing variety of spreading habit, its foliage having a distinct bluish tinge. This is the most popular variety grown, especially in the South. Packet, 10c; 1 oz., 15c; ¼ lb., 25c; 1 lb., 55c.

**188 DWARF CURLED SCOTCH.** This variety is extensively grown in the South for shipment north. Leaves finely curled, long, and attractive. Pkt., 10c; 1 oz., 15c; ¼ lb., 30c; 1 lb., 60c.

**189 TALL GREEN CURLED SCOTCH.** The plant of this variety grows 3 to 4 feet high, bearing long plume-like light green leaves, which are deeply cut, also finely curled at edges. Packet, 10c; 1 oz., 15c; ¼ lb., 35c; 1 lb., 75c.

**118 CHERVIL—CURLED.** This very finely curled, double sort, is much superior to the plain variety, being early maturing, handsomer, and having fully as fine fragrance and flavor. Packet, 10c; 1 oz., 15c; ¼ lb., 50c.

**117 CRESS—TRUE WATER CRESS.** Packet, 10c; oz., 40c; ¼ lb., \$1.25

**116 CURLED OR PEPPER GRASS (Upland).** Packet, 10c; oz., 15c; ¼ lb., .40

**175 ENDIVE—LARGE BROADLEAF** Packet, 10c; oz., 20c; ¼ lb., .50

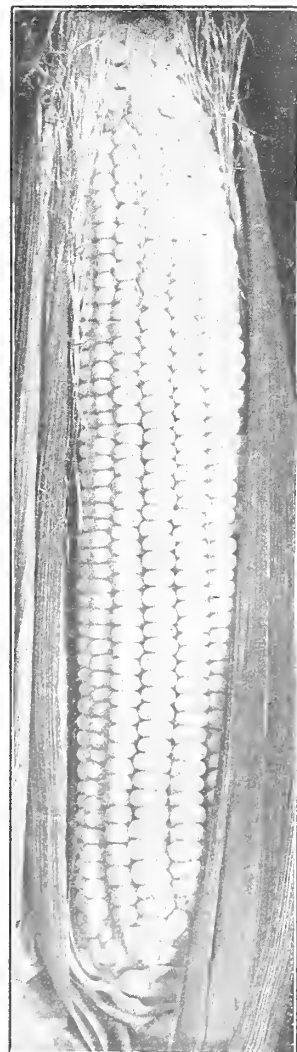
**182 EGG PLANT—IMP. NEW YORK SPINELESS** Packet, 10c; oz., 40c; ¼ lb., \$1.25

**183 EGG PLANT—BLACK BEAUTY** Packet, 10c; oz., 40c; ¼ lb., \$1.25

**178 KOHL-RABI—WHITE VIENNA.** Packet, 10c; oz., 20c; ¼ lb., .65

**180 LEEK—AMERICAN FLAG—IMP. LONDON FLAG.** Pkt., 10c; oz., 25c; ¼ lb., .65

**ALL PRICES ON THIS  
PAGE POST PAID  
All 10c Pkts. 3 for 25c**



Stowell's Evergreen



## Buchanan's Cucumber Seeds

**CULTURE**—One ounce will plant 50 hills; 1 to 2 pounds will plant 1 acre. Cucumbers succeed best in warm, rich sandy loam, and should not be planted in open air until there is a prospect of settled warm weather. Plant in hills about 4 feet apart each way, and when all danger of insects is past, thin out the plants, leaving 3 or 4 of the strongest to each hill.

All Prices on this Page Post Paid  
All 10c Pkts. 3 for 25c

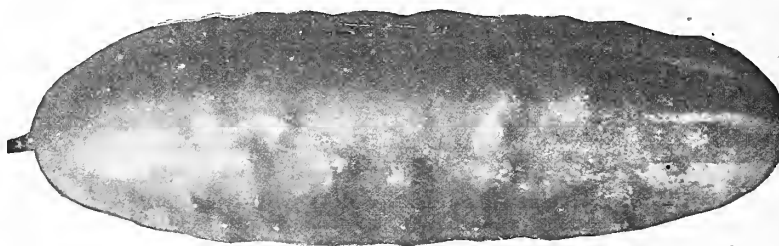
		Pkt.	Oz.	¼ Lb.	1 Lb.
165	<b>BUCHANAN'S IMPROVED WHITE SPINE.</b> A grand new variety, so very superior to any other stock of White Spine as not to be classed with either in quality or price. Vine is a very strong grower; foliage broad-leaved, deep green, close-jointed, does not sunburn. Blooms early at every joint and sets fruit at every bloom. Large fruit for slicing can be gathered in eight weeks. The finest strain of White Spine in existence, as certified by hundreds of market gardeners.	.10	.20	.50	1.25
171	<b>NORTON'S WHITE SPINE.</b> A very fine strain of White Spine, showing evidences of its Emerald parentage in occasionally throwing a smooth, green type. Fruits very rich dark green, symmetrical, thick and nearly square-ended; plant healthy, vigorous and productive. Popular in the South as a shipping variety.	.10	.15	.40	1.00
161	<b>CUMBERLAND PICKLE (Large).</b> The best pickling cucumber in cultivation. For productiveness it is unequalled, and the quality of the fruit is the very best.	.10	.15	.40	1.00
164	<b>BUCHANAN'S EARLY FORTUNE.</b> The finest type of White Spine yet produced. Early, very productive and disease-resistant; fruits nine inches long, slightly tapering; flesh white, very firm and crisp, with very few seed; color rich, dark green, which does not fade when shipped a long distance.	.10	.20	.50	1.25
163	<b>EARLY GREEN CLUSTER.</b> Very early variety, bearing in clusters of two and three. If kept gathered from the vines it will continue to set fruit through a long season. This is a splendid variety for pickling.	.10	.15	.40	1.00
166	<b>IMPROVED LONG GREEN.</b> An old-time favorite in the South; fruits extra long and of good size, holding their dark green color until well matured. Crisp, tender and free from bitterness; fine for slicing. When 3 to 4 inches long they make an especially fine pickling cucumber. Good for planting at all seasons from early spring to late summer.	.10	.15	.40	1.00
170	<b>EVERBEARING.</b> A productive, main crop variety, quite similar in appearance to Early Frame, though fruit is not thick; a fair pickler.	.10	.15	.40	1.00
167	<b>GHERKIN, OR BURR.</b> A small oval-shaped, prickly variety, used exclusively for pickles, for which it is very desirable.	.10	.20	.60	1.75
162	<b>DAVIS PERFECT.</b> A sure money maker for those engaged in growing cucumbers. Grows under glass as well as out of doors. It is seedless almost one-third the length from the stems. It is a rich dark green and holds its color until nearly ripe. The flesh is of excellent flavor; white, clear, crisp.	.10	.20	.40	1.00
168	<b>JAPANESE CLIMBING.</b> A distinct climbing sort for covering fences or trellises; fruit 10 inches long, thick, crisp and fine quality; color dark green.	.10	.20	.50	1.25
169	<b>BUCK BRAND MIXED CUCUMBERS.</b> A mixture of all varieties, to give you both eating and pickling cucumbers with one planting.	.10	.15	.40	1.00
160	<b>CHICAGO PICKLING.</b> The fruits of this very desirable sort are of medium length, tapering at each end, with very large and prominent spines. The color is deep green. This is a very prolific variety and one of the best for those who want crisp, coarsely spined pickles.	.10	.15	.40	1.00



Cumberland  
Pickle



Long Green



Japanese Climbing



Buchanan's Improved White Spine Cucumbers

### DROUGHT WARNING

Owing to the world-wide drought during 1930, I know that many crops of garden and field seeds are a total failure and many stocks will be exhausted early.

I urge my friends and customers to place their orders now for the seeds they will need for planting the 1931 crop.

R. B. Buchanan.

All Seeds listed on this page are delivered transportation paid in the U. S. or possessions. **ORDER EARLY**

## Buchanan's Lettuce Seed

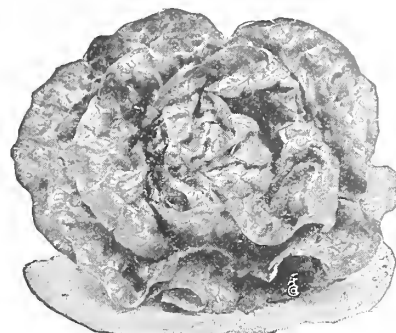
**CULTURE**—For quality lettuce requires quick growth; that means rich soil, plenty of water and clean and thorough cultivation to have crisp and tender heads. Make your first plantings in boxes or hot-beds and harden by exposure; later plant outside and transplant 8 to 12 inches apart in 18-inch rows. Sowings may also be made where the plants are to grow, and thinned out. The curled varieties sown thickly make a beautiful border, the rows being thinned out by pulling for use as wanted. For a constant supply plant every three weeks—lettuce may be had all seasons of the year. For fall use plant in July and August; plant the hardy kinds in September, protect with straw or litter, and they will head up in the spring; or transplant under canvas or glass to head up in the winter. An ounce will produce about 1,500 plants; 2 pounds will make plants enough for an acre.

Those marked (L.L.) are loose leaf varieties, and those marked (H) are heading varieties.

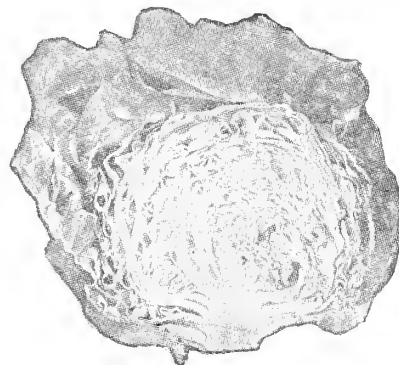
All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c

	Pkt.	1 Oz.	¼ Lb.	1 Lb.
196 <b>BIG BOSTON (H).</b> This marked variety is very popular for outdoor culture and is also in demand as a compact, large heading, forcing sort for cold frame. The plants are large, very hardy and vigorous. The leaves are broad, comparatively smooth but wavy at the edge, thin, very hard and crisp. In color they are bright light green, the heads slightly tinged with reddish brown. The inner leaves blanch to an attractive greenish white, tinged light yellow. It heads up under cold weather conditions better than any other variety, and is grown very extensively in the South for shipment North in the winter.....	.10	.20	.50	1.50
205 <b>WONDERFUL (H).</b> Immense heads, solid as a cabbage; blanches beautifully; crisp, tender and free from bitterness. It produces immense heads, often 15 and 16 inches across, and weighing enormously. The interior is beautifully blanched, creamy-white, crisp, tender and delicious, being absolutely free from any trace of bitterness. It is a very large, robust growing variety, rooting deeply, resisting hot, dry weather, very slow to run to seed and a sure header under the most trying conditions..	.10	.25	.60	1.75
198 <b>EARLY WHITE CABBAGE (H).</b> A desirable variety for summer or fall, forming large, compact and beautiful heads. Color light green, stands heat and drouth remarkably well, very highly recommended. Undoubtedly the best summer variety; the heads will frequently weigh from 2 to 3 pounds each..	.10	.20	.50	1.50
195 <b>WAYAHEAD LETTUCE (H).</b> Shows a remarkable combination of earliness, firm heading character, a handsome and fine quality. Both in cold frames early in spring and in the open ground in spring, summer and early fall months it has proved to be not only the very earliest but surest heading of all early lettuces grown.....	.10	.20	.50	1.50
204 <b>EARLY CURLED SIMPSON (L.L.)</b> A leading early, loose-heading variety of fairly large size; leaves broad, crumpled and well frilled at the edges; color light green; quality good.....	.10	.20	.35	1.25
207 <b>ICEBERG (H).</b> A large, late, crisp cabbage-heading variety; heads very firm, hard and well blanched; leaves unusually broad and quite blistered and crumpled; borders finely frilled; color, medium green with faint brown tracing on the border; quality good .....	.10	.20	.50	1.50
208 <b>MIGNONETTE (H).</b> A small, early, crisp and curled cabbage heading variety; plant compact, forming a hard, globular, well-balanced head; leaves broad, excessively blistered, crumpled and twisted; color, medium dark brown with a dark greenish tinge; quality good.....	.10	.20	.50	1.50
202 <b>GRAND RAPIDS (L.L.)</b> This is probably the best of the loose-leaved varieties. It forms no head, but produces an abundant crop of pale green leaves, slightly but closely crumpled, which, even when old, retain their characteristic sweetness and brittle character. In this respect it excels many of the best heading varieties. Moreover, the flavor even of the outside leaves is fully equal to that of the heart leaves of any heading varieties	.10	.25	.50	1.50
203 <b>PARIS WHITE COS (L.L.)</b> Has long, smooth, narrow, upright leaves, and blanches nicely when tied up; color, medium green; quality fine.....	.10	.25	.60	1.75
197 <b>CALIFORNIA CREAM BUTTER (H).</b> Plant compact, heads large, globular and very firm; leaves broad, blistered and crumpled and very thick.....	.10	.20	.50	1.50
201 <b>MAMMOTH BLACK SEEDED BUTTER (H).</b> (Tennisball). A very reliable, adaptable, sure heading sort'.....	.10	.20	.50	1.50



Big Boston



Early White Cabbage



Grand Rapids



Iceberg

Buchanan's 10c Packets contain twice as much seed as many 5c Packets and some of them 3 and 4 times as much.



**R. B. BUCHANAN SEED CO.**



**MEMPHIS, TENNESSEE.**



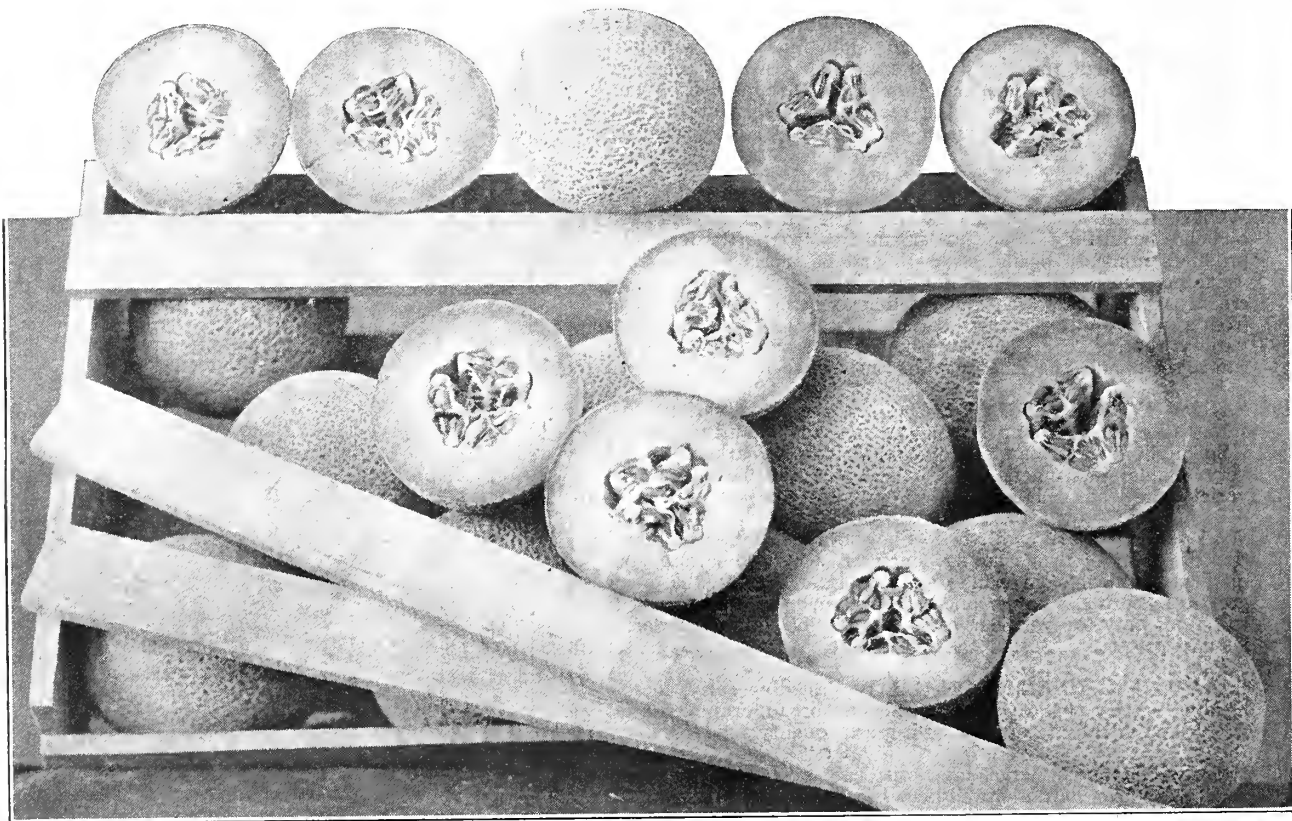
**BUCK BRAND TESTED SEEDS**

## Buchanan's Muskmelon or Cantaloupe Seed

**CULTURE**—Melons thrive best in light, rich soil. Plant just as soon as the ground is warm, in hills 4 to 6 feet apart, according to the variety; in each hill apply a shovelful of well-rotted manure, or a handful of commercial fertilizer, well mixed with the soil. Plant about 12 seeds to each hill, covering with about 1 inch of fine soil firmly pressed down. When the plants are pretty well developed, keep the hoe and cultivator going. Gradually thin out to two plants to the hill. When the vines begin to run freely, stop cultivation, except after a heavy rain. A few hills for early use may be had by sowing in the dirt bands in the hot-bed, and when warm enough transplant to open grounds. Melon vines are subject to the same destructive insects and fungus foes as are cucumber and squash vines. Early and repeated spraying with Pyrox, Hall's Nicotine, Arsenate of Lead, Black Leaf 40, Bordeaux Mixture, or any other good spray material will help wonderfully. See page 83 for our assortment of insecticides. Use a packet to about 15 hills; 1 oz. to 60 hills; 2 to 3 lbs. to the acre

**All Prices on This Page Post Paid.**

**FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.**



### Buchanan's New Salmon-Fleshed Rocky Ford Cantaloupes

This new melon continues to enjoy the popularity for both the home garden and marketing that it did when we first introduced it.

**209—BUCHANAN'S NEW ROCKY FORD (Salmon Fleshed)**—It is more rounded, the rib less prominent and the outer surface of the fruit more densely covered with delicate lace-like netting than the green fleshed variety. The flesh is salmon (often called pink meat), very small seed cavity (see cut above), beautiful in appearance, and fine flavor. This melon has become a favorite with both my market gardeners and home gardeners. They sell readily on the market at much higher prices than the original green fleshed variety.

**Pkt., 15c; 1 oz., 25c; 2 oz., 40c; 1/4 lb., 50c; 1 lb., \$1.75; 5 lbs., \$7.50; 10 lbs., \$12.50.**

### 210—Buchanan's Big Four Cantaloupe Collection

Buchanan's Osage, Salmon-Fleshed, Rocky Ford, Green-Fleshed; Buck Brand (Surprise), Yellow-Fleshed, Burrell's Gem, Pink-Fleshed.

Price, collection of 4 packets.....30c

One ounce each 4 varieties.....50c

**Buchanan's 10c Packets Contain Twice as Much Seed as Many 5c Packets and Some of Them 3 and 4 Times as Much**





**R. B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.**

**BUCK BRAND TESTED SEEDS**



## Buchanan's Southern Grown Watermelon Seeds

**CULTURE**—One ounce to 40 hills; three or four pounds to the acre. Drop in hills six to eight feet apart, six to ten seed, one inch deep, and thin to three best plants. The proper time to plant melons in this section is generally about the middle of April.



Buchanan's Improved Watson Watermelon

**240—BUCHANAN'S IMPROVED WATSON WATER MELON**—This seed is saved from the most perfect melons, none weighing less than forty pounds each, and from many that weighed seventy pounds each. This seed is then graded and cleaned, and consequently will produce finer and larger melons than the regular stock. If you want something extra, order this special stock this season.

The Watson has rightfully been the most largely planted melon in the South for shipping purposes. It's a splendid melon for shipping, for nearby markets and for home use. It is an excellent combination all-purpose melon for you to grow.

**Price** — Pkt. (1 oz.) 20c; 1/4 lb. 50c; 1/2 lb. 85c; 1 lb. \$1.50; 5 lbs. \$6.00, post paid.

There has been much complaint about the Watson "running out," and this is absolutely true of a large part of the Watson seed on the market. It is seed saved from the tail end of the shipping crop, seed from malformed, rotten-ended runts and culls. You can't afford to plant such seeds. Plant Buchanan's Seeds, the very finest you can buy.

In eating quality the Watson is away above the average and its tough, medium thick rind makes it ship equal to the old shipping sorts. Its dark green color and generally handsome appearance make it a seller at top of the market prices.



A Field of Buchanan's Improved Watson Melons, Taken at Our Growing Station.

Every packet of Buchanan's Watermelon Seed contains 1 full oz., about 225 seed, more than 4 times the amount of many 5c pkts.

FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

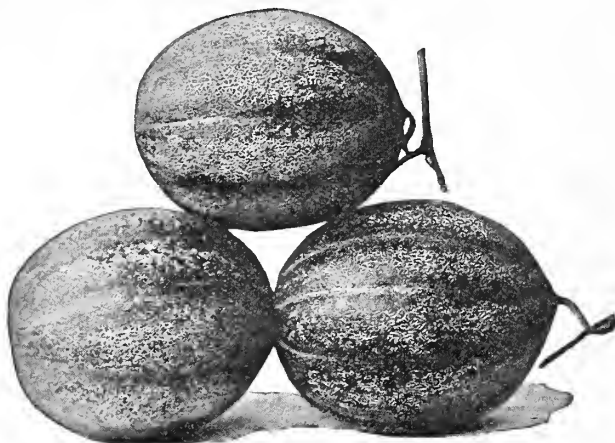
## Buchanan's Muskmelon or Cantaloupe Seed

### Salmon-Fleshed Varieties

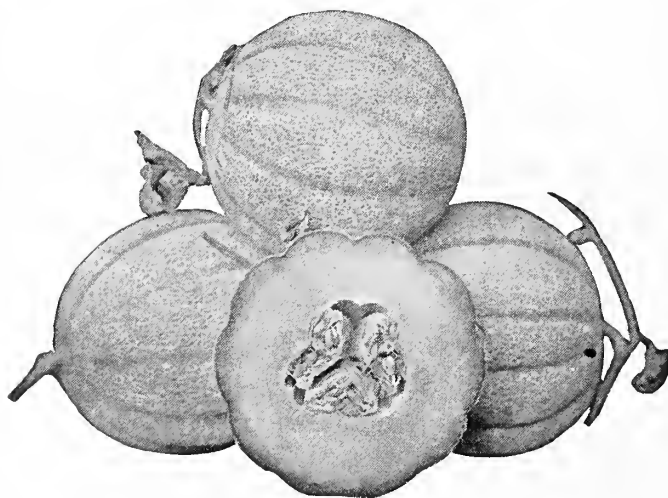
All Prices on This Page Post Paid  
All 10c Pkts., 3 for 25c



Buchanan's Burrell's Gem



Buchanan's Osage



Hearts of Gold

**218—HEARTS OF GOLD (Imp. Hoodoo)**—A splendid small, mid-season variety developed from the Hoodoo, being larger and more uniform; fruit round with tendency to heart-shape; distinctly ribbed and covered with a fine gray netting; flesh very thick, deep salmon color, and of high quality; a good shipping melon. Pkt., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.15.

**221—POLLOCK'S 10-25 (Salmon-Fleshed Eden Gem)**—A salmon-tinted, rust-resisting cantaloupe that has become popular on the market because of its superior qualities. It is a heavy yielder and one of the best long distance shippers we know of. It is nearly as early as the Eden Gem and very prolific. The melons run very uniform in size. In shape it is a trifle longer than the Eden Gem, practically all run solid net, without any indication of the ribs. The netting is extremely heavy and very light colored when matured. The seed cavity is small. The flesh changes from a deep green near the rind to a rich salmon pink near the seed cavity; fine grained and very solid. The attractive color of the flesh and the unsurpassed flavor will appeal to the most highly cultivated tastes. Its fine appearance attracts the particular trade and commands the highest market price wherever introduced. Pkt., 10c; 1 oz., 20c; ¼ lb., 40c; 1 lb., \$1.25.

**229—BUCHANAN'S OSAGE (Salmon-Fleshed)**—An extremely high quality salmon-fleshed melon, a profitable variety to grow for market and a desirable melon for the home garden. An excellent main crop melon, medium to large size and does well on both heavy and sandy soils. The fruits are slightly oval, dark green, slightly ribbed and partly covered with shallow gray netting. The flesh is rich orange salmon, very thick, fine grained and highly flavored. It is a favorite variety among growers for the later markets. This is the melon shipped into Memphis by the carload from the west and southwest during August and September. Pkt., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

**225—TIP TOP**—In shape varies from round to slightly oblong; rather large in size and somewhat late in maturing. Skin pale green, distinctly ribbed and lightly netted; flesh deep rich salmon, sweet and spicy. Pkt., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

**213—BURRELL'S GEM**—A fine thick meated salmon-fleshed Rocky Ford cantaloupe. It has a thicker meat than any of the other cantaloupes and while it is classed as a pink-fleshed variety, the flesh or meat is a deep yellow or orange color. Each year this cantaloupe is steadily increasing in popularity. It is a fine shape and size for crating and because of its solidity it stands up well under long distance shipping. These two important qualities make it much in demand by shippers. The rind is thin and tough and covered with a heavy gray netting which is rather coarse as compared to other Rocky Ford cantaloupes. The seed cavity is exceptionally small and the flesh is fine grained, sweet and spicy. When first introduced, ribs on this cantaloupe were large in size but by careful breeding they have been reduced in size until now they are almost solid netted. A good melon for shipping or home use. Pkt., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

**222—BUCK BRAND (Surprise)**—The nearest thing to the old-fashioned muskmelon that you can get. Fruit round, slightly oblong, with a very thin, nearly smooth, gray-green skin; flesh thick and of deep salmon color. For flavor and size combined this is the king of all melons. Too large to be profitable for market—they often weigh 15 to 20 lbs.—they are ideal for home use; one melon is enough for a family. Continues bearing till cold weather and holds its splendid quality up to the very last. Pkt., 10c; 1 oz., 15c; ¼ lb., 50c; 1 lb., \$1.25.

**224—HOODOO—(Hearts of Gold)**—A splendid, small, mid-season variety; fruit round, with tendency to heart-shape, densely covered with a fine gray netting and distinctly ribbed; flesh very thick, ripening thoroughly to the rind, with small seed cavity; of a rich orange color and highest quality. A fine shipping sort. Pkt., 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

**214—BANANA**—Shaped somewhat as name indicates; grows about 2½ feet long; flesh deep salmon colored and of only fair quality. Pkt. 10c; 1 oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

**Buchanan's 10c Packets Contain Twice as Much Seed as Many 5c Packets and Some of Them 3 and 4 Times as Much**



## Buchanan's Muskmelon or Cantaloupe Seed

### Green-Fleshed Varieties

All Prices on This Page Post Paid.

All 10c Pkts., 3 for 25c

**226—HONEY DEW MELON**—This new melon is unlike the ordinary muskmelon or cantaloupe, both in appearance and flavor, the outer skin being smooth, hard and nearly white. The melons are large, round to oval in shape, extremely thick-meated and have a very small seed cavity; flesh is light green, very solid and of a rich honey-like flavor, luscious and juicy, much more so than any variety of muskmelons. Pkt., 10c; 1 oz., 20c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.25.

**215—MONTREAL GREEN NUTMEG (Montreal Market)**—Green fleshed. The largest of the Nutmeg variety. Skin is dark green in color; the ribs broad and prominent, flesh thick, luscious and melting. Pkt., 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.00.

**216—TEXAS CANNONBALL**—We have sold this splendid cantaloupe of Texas origin for many years. It is very desirable for home use and nearby markets in all parts of the South. Medium in maturity and size and of round shape. In flavor it is first-class, and its dense netting makes it almost sun and insect-proof, this being an immense advantage where insects are troublesome and melons liable to sunscald. It is almost all meat; seed cavity small. Very prolific and hardy. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.25.

**228—EDEN GEM (Green Fleshed)**—The illustration of Texas Cannonball shows the netting of our Eden Gem, a favorite with many for shipping, local market, and home garden. A round type melon entirely covered with fine netting and without ribs; flesh green, tinted yellow at center; quality excellent. Pkt., 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.50.

**212—BUCHANAN'S MAMMOTH ROCKY FORD (Extra Select)**—The general type of this melon is similar to the regular Rocky Ford, but they grow somewhat larger in size, making them a splendid variety for market. Pkt., 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 45c; 1 lb., \$1.25.

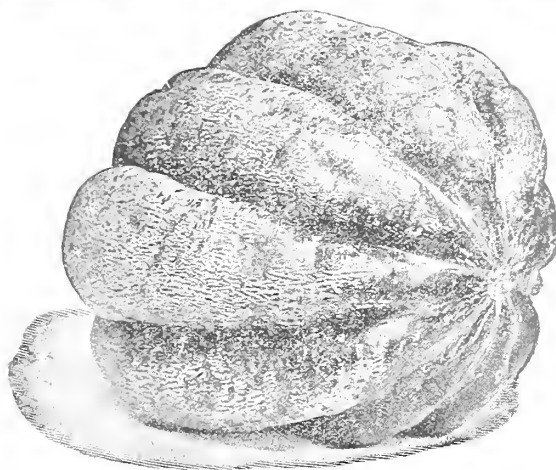
**219—ROCKY FORD**—We have an especially fine, improved strain of this popular melon as now grown at Rocky Ford. The fruit is small, almost round, smooth, showing no ribs, and densely covered with a heavy gray netting; flesh thick and deep green, showing a faint lining of pink or gold at the center. Pkt., 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.00.

**223—BALTIMORE OR ACME**—A fine early, oblong, green-fleshed variety, of good size; noticeably ribbed and heavily netted. Pkt., 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., 95c.

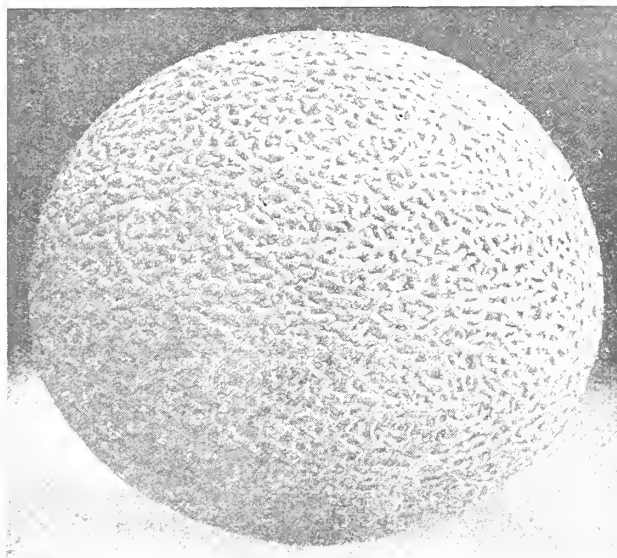
**220—IMPROVED LARGE BALTIMORE**—An improvement on Baltimore or Acme; of general form, but somewhat larger; green-fleshed. Pkt., 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.25.

**217—EXTRA EARLY HACKENSACK**—An early strain of the well known large Hackensack. Very popular with the market gardeners, as it is the first of the large melons to be ready for market. The fruit is of good size, round and heavily netted. Flesh green, very sweet and good flavor. Pkt., 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.25.

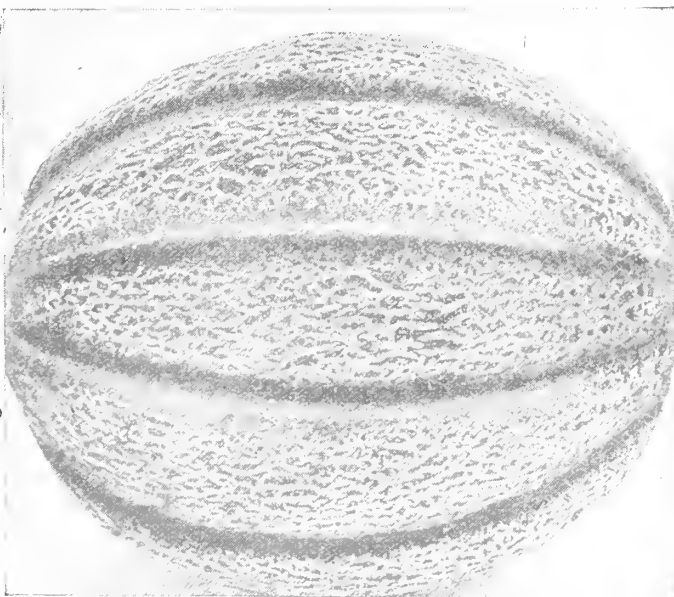
**227—MIXED MUSKMELONS**—Many of our customers have asked us to put out a mixture of Cantaloupes or Muskmelons, so we have included in this mixture seeds that will produce early, medium, late, green-fleshed, orange-fleshed varieties, thus producing a continuous table supply throughout the season from one small plot. This mixture is composed of our very best select strains and put together in a properly balanced mixture that will give ripe, luscious fruits throughout the season. This is an excellent assortment for the home garden. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.25.



Buck Brand Muskmelon



Texas Cannonball



Baltimore or Acme





## Buchanan's Southern Grown Watermelon Seeds

All Prices on This Page Are Postpaid

All 10c Pkts., 3 for 25c

### Buchanan's New Stone Mountain Watermelon

255—STONE MOUNTAIN—We take the greatest pleasure in offering this new melon, the finest of all, sweetest of all, largest of all, almost round or square-shaped, richest dark green, medium rind, richest scarlet flesh. It weighs 50 to 80 pounds on good melon land and because of its size, shape and color will outsell any other melons at about double their price. When eaten once it is not forgotten—the finest and sweetest flavor of them all. For home and nearby markets, it is the best there is—that's all. It is too large and fine for ordinary shipping, although it is being shipped in some localities. It has very few seeds, is solid through, almost all heart and the most delicious you have ever tasted. It sells for almost double any other melon, takes twice as many melons to make a pound of seed, is prolific and stands up under very trying conditions, making fine crops of late melons when others fail. Named for famous Stone Mountain, near Atlanta, the largest outcrop of granite in the world. Here the huge Confederate Memorial, to be the greatest piece of art in the world, is being carved. Pkt. (1 oz.), 20c;  $\frac{1}{4}$  lb., 50c;  $\frac{1}{2}$  lb., 85c; 1 lb., \$1.25; 5 lbs., \$6.00.

237—BUCHANAN'S GEORGIA RATTLESNAKE—A long, fairly large melon with a light green color, irregularly mottled with dark green stripes. An excellent shipping kind with unexcelled eating qualities, the Rattlesnake is a standard variety. The seed are white with dark tips, and the weight is 30 pounds. Its appearance is so striking because of the contrast between the light and dark mottlings that it is always remembered; perhaps this has helped its popularity. Edible in 92 days. Size, 18x12 inches. Pkt. (1 oz.), 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; 1 lb., 90c; 5 lbs., \$3.75.

231—BUCHANAN'S BLACK DIAMOND—A large, almost round melon with very dark green rind. It is medium late; the seed are black, and it is not widely used. The average weight is perhaps 20 pounds. The outside appearance is very attractive. Edible in 90 days. Size, 12x10 inches. Pkt. (1 oz.), 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 50c; 1 lb., 90c; 5 lbs., \$4.00.

236—BUCHANAN'S COLE'S EARLY—It is almost round, with black seed, while the rind is dark green, irregularly striped with a lighter shade. The flesh is very firm and delicious eating; it is not adapted for shipping, being a home market kind. The Cole's Early is a standard melon and will mature very early, so it is more widely used in sections with a shorter growing season than others. The melons weigh about 20 lbs. Edible in 80 days. Size, 12x11 inches. Pkt. (1 oz.), 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 50c; 1 lb., 90c; 5 lbs., \$4.00.

230—BUCHANAN'S ALABAMA SWEET—The melons are long with a deep green rind, irregularly striped with a darker shade of green. The seeds are white with some slightly mottled and with dark tips. It is an excellent shipping variety with a very tough, elastic rind. Average weight of the melons is about 30 pounds. A widely used, very desirable kind. Edible in 90 days. Size, 16x10 inches. Pkt. (1 oz.), 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; 1 lb., 90c; 5 lbs., \$4.00.

232—BUCHANAN'S FLORIDA FAVORITE—The seed are white, the rind is a light green with mottled stripes of dark green. The shape is long and the melons average 30 pounds in weight. It is not adapted for long distance shipping, but it is excellent for the home market trade. The edible qualities are excellent and this kind is quite popular. Edible in 87 days. Size 16x10 inches. Pkt. (1 oz.), 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 50c; 1 lb., 90c; 5 lbs., \$4.00.



Stone Mountain



Georgia Rattlesnake

FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.

Every packet of Buchanan's Watermelon Seed contains a full ounce, about 225 seed; more than four times the amount of many 5c pkts.

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

## Buchanan's Southern Grown Watermelon Seeds

Buchanan's  
Ribault  
Melon



Halbert Honey

All Prices on This Page Are Post Paid.  
All 10c Pkts., 3 for 25c.

FOR WHOLESALE PRICES—NOT PREPAID—  
See yellow sheet in center of catalogue.

### Buchanan's Ribault Watermelon

**252—RIBAUT**—Is a new watermelon, long and thick in shape, measuring from 24 to 30 inches long by 14 to 18 inches in diameter. The rind is dark green indistinctly striped with mingled lighter green; the young melons will show distinct stripes, but as they develop and ripen the stripes practically fade away leaving a glossy green color; the rind is medium thick, just thick enough to insure long keeping and rough usage during shipping, and is woven together like leather, and is hard to pull apart or break even after it is fully ripe. The meat is red and sweet, free from hard centers, grows remarkably large, and is very prolific. It is a good shipper, and will arrive in first class condition at the most distant markets. The seeds are large, white with black rings or tips, with a very small seed cavity, requiring 7 melons to produce a pound of seed; ripens in 95 days. Not unusual to grow Ribaults, under normal conditions, weighing 70 to 80 pounds. Pkt. (1 oz.), 20c; ¼ lb., 50c; ½ lb., 85c; 1 lb., \$1.50; 5 lbs., \$6.00, post paid.

**242—BUCHANAN'S GOLDEN HEART**—The best of the yellow fleshed melons, it is oblong in shape; the seeds are white with black tips, and the average weight is 20 pounds. The rind is dark green with irregular stripes of a darker green. It is a standard variety and is one of the best melons for eating. The flesh is a sparkling golden color, very attractive and fully as delicious as its appearance indicates. Edible in 90 days. Size 14x12 inches. Pkt. (1 oz.), 10c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.00; 5 lbs., \$4.00.

**235—BUCHANAN'S HALBERT HONEY**—As fine a medium early home market melon as we grow, the Halbert Honey enjoys wide use and is second only to Kleckley's Sweet in popularity for home gardens and nearby markets. The seed are white with black tips; the shape is long and cylindrical, and the rind is a deep green with fine veins. The melons weigh 35 pounds. Quite similar to Kleckley's Sweet, the Halbert Honey is as handsome a melon as could be desired. Edible in 87 days. Size, 20x12 inches. Pkt. (1 oz.), 10c; ¼ lb., 35c; ½ lb., 60c; 1 lb., 90c; 5 lbs., \$4.00.

**239—BUCHANAN'S IRISH GRAY**—A long melon, rather large in size and is becoming more popular as a shipping kind. The rind is light green in color; the seed are white and its eating qualities very fine. The average weight is 35 pounds, and it is a light seeding variety. We especially recommend the Irish Gray for shipping, as the flesh is not stringy or coarse, and its ability to stand shipping is fully equal to the Watson. Edible in 90 days. Size, 18x11 inches. Pkt. (1 oz.), 10c; ¼ lb., 35c; ½ lb., 60c; 1 lb., 90c; 5 lbs., \$4.00.

**233—BUCHANAN'S IMPROVED KLECKLEY'S SWEET**—Recently introduced, the seed are snow white, with no trace of color and are slightly larger than the regular Kleckley Sweet. The melons are cylindrical, very dark green with faint creases or ridges running lengthwise. The size is somewhat larger than Kleckley Sweet. The edible qualities are splendid and it no doubt has a large future. The rind perhaps is harder than Kleckley Sweet, making it a shipper for moderate distances. Edible in 87 days. Size, 22x10 inches. Pkt. (1 oz.), 10c; ¼ lb., 40c; ½ lb., 75c; 1 lb., \$1.15; 5 lbs., \$5.00.

**253—BUCHANAN'S KLECKLEY'S SWEET**—It is sometimes listed as Monte Cristo. This variety is more widely used for the home garden and market than any other kind; it is long and symmetrical in shape, often reaching 22 inches in length and 50 pounds in weight. The skin is a dark green, the flesh is bright red, very tender and melting. It is medium early in maturity; the seed are white and it is not adapted for shipping long distances. Edible in 87 days. Size, 20x10 inches. Pkt. (1 oz.), 10c; ¼ lb., 35c; ½ lb., 60c; 1 lb., 90c; 5 lbs., \$4.00.

Every Packet of Buchanan's Watermelon Seed contains 1 full ounce, about 225 seed; more than four times the amount of many 5c packets.

All Seeds listed on this page are delivered transportation paid in the U.S. or possessions. **ORDER EARLY**

(Page 21)

**Wonder****Melon****Perfection**

## Buchanan's Southern Grown Watermelon Seeds

All Prices on This Page Are Post Paid.  
All 10c Pkts., 3 for 25c.

FOR WHOLESALE PRICES—NOT PREPAID—  
See yellow sheet in center of catalogue.

### Buchanan's Wondermelon

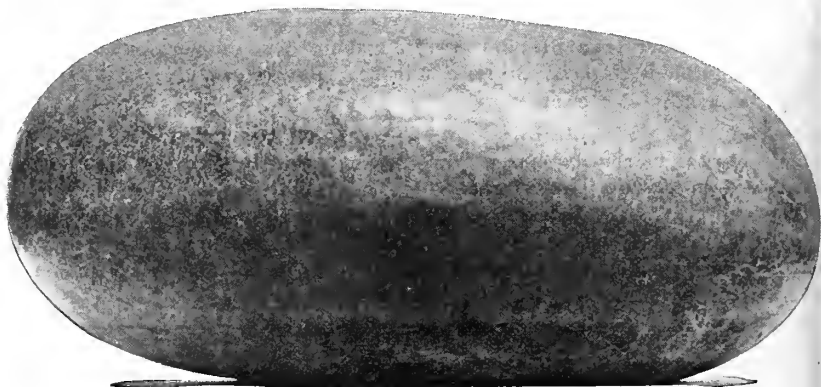
**254—WONDERMELON**—Is comparatively a new variety, but has become one of the new favorites. No watermelon has received more praise in the short time of its existence, and justly so, for it is one of the finest flavored melons raised. It is also very productive, grows great quantities of big, fine, dark glossy green melons. The rind is rather thin but reasonably tough to insure good carrying for short hauls, and any market that receives this melon will sell to good advantage. Grows long and thick, seeds white and broad, flesh deep red, juicy and sweet. Time for ripening, 85 days. Six melons produce a pound of seed. Pkt. (1 oz.), 20c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 75c; 1 lb., \$1.25; 5 lbs., \$6.00.

**241—BUCHANAN'S PERFECTION**—A new variety, or comparatively so, of unusual merit. The seed are white with a dark rim and edge. The rind is very hard and an intense dark green, the shape is long, the fruits being thicker at the stem than at the blossom end—in other words the fruit tapers toward the blossom end. It is certainly handsome in appearance, both the exterior and when cut. Edible in 87 days. Size 22x10 inches. Weight 35 pounds. Pkt. (1 oz.), 20c;  $\frac{1}{4}$  lb., 50c;  $\frac{1}{2}$  lb., 75c; 1 lb., \$1.25; 5 lbs., \$5.00.

**234—BUCHANAN'S SWEETHEART**—A rather late variety, producing extremely large melons of excellent quality. The shape is oblong; the rind is very light green with fine veining. It has a very tough elastic rind, making it an excellent shipping kind. The seed are black, and the fruits weigh 25 pounds. Edible in 88 days. Size 13x10 inches. Pkt. (1 oz.), 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; 1 lb., 90c; 5 lbs., \$4.00.

**247—BUCHANAN'S THURMOND GRAY**—Similar to Irish Gray, except the fruits are larger and the seed brown. It is doubtful if it has any advantage over the Irish Gray. But the quality of both is excellent, the flesh being crisp and tender, while the rind is almost like horn in hardness. Edible in 90 days. Size 20x10 inches. Pkt. (1 oz.), 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; 1 lb., 90c; 5 lbs., \$4.00.

**238—BUCHANAN'S TOM WATSON**—The most popular of the shipping melons, the Watson has a very tough elastic rind; the seed are brown with a sprinkling of white. The rind is deep green, indistinctly veined; the shape is long and cylindrical and the melons often attain a weight of 40 pounds. The length averages 18 to 24 inches by 10 inches in diameter. The outside appearance is similar to Kleckley's Sweet; the Watson is rather late in maturing. It is not recommended for garden use as the flesh is a little coarse and very firm. Edible in 92 days. Size 20x12 inches. Pkt. (1 oz.), 10c;  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 50c; 1 lb., 90c; 5 lbs., \$4.00.

**Tom Watson**

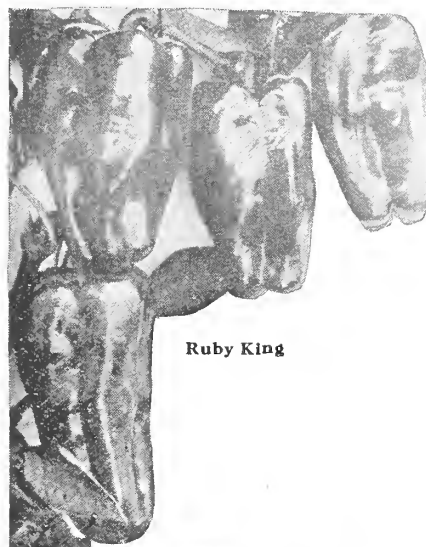


## Buchanan's Sweet and Hot Peppers

**CULTURE**—Peppers are more tender than most vegetables. The seed does not germinate freely in a temperature of less than 65 degrees and should either be started in hot beds or boxes in the house. If sown outdoors, planting should be deferred until the ground becomes warm in the spring. When the plants are about three inches high and all danger from frost is past, they can be set in the open ground in rows about two and one-half feet apart and two feet apart in the row. One ounce of pepper seed will usually make about 1000 good strong plants if properly handled. To be sure of a sufficient quantity of plants for an acre,  $\frac{1}{2}$  pound of seed is generally sown.

All Prices on this Page Post Paid  
All 10c Pkts. 3 for 25c

- 300 CALIFORNIA WONDER PEPPER.** Almost as large as Chinese Giant, short, blocky and square ended, splendid for stuffing, baking or served whole with salad filling. Color is bright green, ripening into a brilliant light crimson. Sweet and spicy. Meat is thick, firm and exceptionally free from wrinkles. Ships well and good for home gardens.  
Prices....Pkt. 15c;  $\frac{1}{2}$  oz. 40c; oz. 75c;  $\frac{1}{4}$  lb. \$2.25; lb. \$7.50, postpaid.
- 301 ROYAL KING (Sweet).** In this variety you have the utmost that can be obtained in the way of a Bell type pepper. It is a very attractive pepper, an excellent shipper and commands the top prices in the market. I highly recommend this variety as an all-round pepper for the home garden, nearby markets or shipping. It grows to a large size, is very mild, and when ripe, is of a bright scarlet color. The flesh is thick, meaty and fine flavored. Plants grow 2 to 2 $\frac{1}{2}$  feet high, vigorous and productive, bearing an enormous yield throughout the season. It is especially desirable for shipping due to its regularity of size and shape which makes it an exceptionally desirable variety for good packing and fine appearance on arrival in the markets.  
Price.....Pkt. 10c;  $\frac{1}{2}$  oz. 25c; oz. 40c; 2 oz. 75c;  $\frac{1}{4}$  lb. \$1.25; lb. \$4.00.
- 303 CHINESE GIANT (Sweet).** The Chinese Giant is one of the largest and finest peppers in cultivation. The plant is about two feet high, of strong, vigorous growth, stocky and erect in habit, very productive, and ripens its fruits earlier than the Ruby King. The compact plants are very prolific, setting 3 to 4 extra fruits at the base quite early in the season, which ripens while a second crop is setting on the branches. The fruits are quite square, averaging 4 inches in diameter, and is a bright, glossy scarlet color when ripe.  
Price....Pkt. 10c;  $\frac{1}{2}$  oz. 30c; oz. 50c; 2 oz. 90c;  $\frac{1}{4}$  lb. \$1.75; lb. \$6.00.
- 307 CRIMSON GIANT (Sweet).** An early maturing large size sweet pepper, similar in shape to Chinese Giant, but much longer, and flesh thicker. It is exceptionally mild and very prolific; earlier than the Chinese Giant.  
Price....Pkt. 10c;  $\frac{1}{2}$  oz. 25c; oz. 40c; 2 oz. 75c;  $\frac{1}{4}$  lb. \$1.45; lb. \$5.00.
- 302 BELL OR BULL NOSE (Sweet).** Do not confuse this with the Chinese Giant. It is similar in shape but scarcely more than half as large. It is much more prolific and a very desirable variety for the home garden.  
Price.....Pkt. 10c;  $\frac{1}{2}$  oz. 20c; oz. 35c; 2 oz. 50c;  $\frac{1}{4}$  lb. 85c; lb. \$2.25.
- 305 RUBY KING (Sweet).** An old well-known standard variety of excellent quality. Fruits frequently run 4 $\frac{1}{2}$  inches in length, having usually three lobes. A deep rich green color when young, ripening to a bright rich crimson at maturity. The flesh is thick and of mild flavor.  
Price....Pkt. 10c;  $\frac{1}{2}$  oz. 20c; oz. 35c; 2 oz. 65c;  $\frac{1}{4}$  lb. 90c; lb. \$3.00.
- 304 LONG RED CAYENNE.** A well-known hot pepper; larger than Red Chili but just as hot and pungent. It is medium early sort having a slender, twisted and pointed pod about four inches long. A bright red color when ripe.  
Price....Pkt. 10c;  $\frac{1}{2}$  oz. 25c; oz. 30c; 2 oz. 50c;  $\frac{1}{4}$  lb. 95c; lb. \$3.00.
- 311 EARLY NEAPOLITAN (Sweet).** Earlier than any large, sweet pepper, and a wonderful bearer; single plants often yield 30 to 40 peppers, and continue loaded with fruits right up to frost. Bright red, thick-meated, very sweet and mild; 4 inches long by 5 to 6 inches round; keeps a long time.  
Price....Pkt. 10c;  $\frac{1}{2}$  oz. 20c; oz. 30c; 2 oz. 50c;  $\frac{1}{4}$  lb. 90c; lb. \$3.25.
- 312 PIMENTO (Sweet).** The mildest flavored of all peppers. This variety should be planted in every garden where a delicious sweet flavored pepper is wanted both for salad and for stuffing. A very productive sort, being an entirely different type than the other well-known peppers. Its thickness of flesh permits removing of skin, an essential of great value not easily accomplished with other sorts.  
Price....Pkt. 10c;  $\frac{1}{2}$  oz. 20c; oz. 30c; 2 oz. 50c;  $\frac{1}{4}$  lb. 90c; lb. \$3.25.
- 308 RED CHILI PEPPER.** A very hot, pungent, bright red pepper used for flavoring. Dwarf growing, with slender, pointed fruits about one inch long, which are about  $\frac{1}{2}$  inch thick at the base and taper to a sharp point.  
Price....Pkt. 10c;  $\frac{1}{2}$  oz. 25c; oz. 40c; 2 oz. 75c;  $\frac{1}{4}$  lb. \$1.25; lb. \$4.00.
- 306 TABASCO (Hot).** Very pungent and strong.  
Price....Pkt. 10c;  $\frac{1}{2}$  oz. 30c; oz. 50c; 2 oz. 90c;  $\frac{1}{4}$  lb. \$1.50; lb. \$5.00.
- 309 MIXED RED HOT.** A mixture of all varieties of Hot Pepper.  
Price.....Pkt. 10c;  $\frac{1}{2}$  oz. 25c; oz. 35c; 2 oz. 50c;  $\frac{1}{4}$  lb. 90c.
- 310 MIXED SWEET MANGOES.** Mixed varieties of Sweet Pepper.  
Price.....Pkt. 10c;  $\frac{1}{2}$  oz. 25c; oz. 40c; 2 oz. 75c;  $\frac{1}{4}$  lb. \$1.25.



Ruby King



Bell or Bull Nose

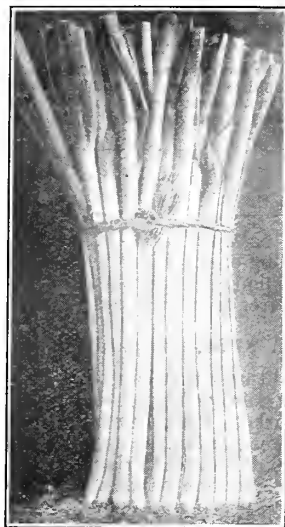


Royal King





White Velvet Okra



Bunching Onion

**265 TOKAYO MUSTARD**

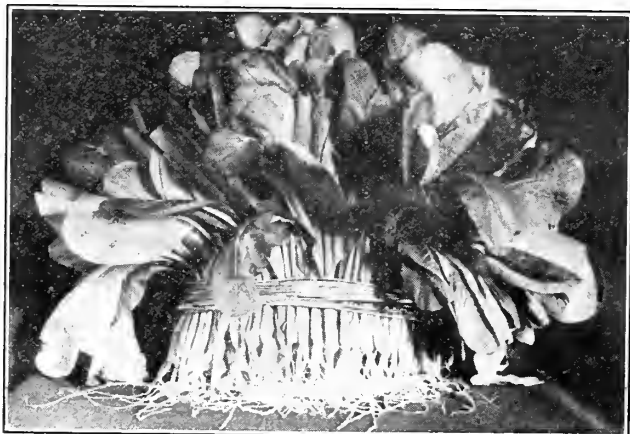
From Japan where trucking and farming has existed for more than forty centuries; there is no comparison between this new mustard from the Orient and domestic mustards; it has found quick popularity among the market gardeners of the United States and especially the South in those trucking sections where this new mustard is bunched (see cut below) and shipped in carlots.

In Japan it takes the place of Spinach as it remains tender even in dry weather. It is virtually an all season plant. The leaves are mostly used when young and by repeated plantings an abundant supply is available throughout the entire season. It is extremely resistant to cold weather so that early and late plantings are possible, also extremely resistant to insects and blight. Price: pkt., 10c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; lb. \$1.25.

**264 BUCHANAN'S LONG WHITE BUNCHING ONION**—Very hardy, mild and tender; a product of the Orient, the most satisfactory onion for bunching for local markets or shipping (see cut). Price: pkt., 10c; oz., 25c; ¼ lb., \$1.00; 1 lb., \$3.50.

**BUCHANAN'S TOKAYO MUSTARD  
or MUSTARD-SPINACH**

This new greens from Japan has proven a sensation among Truckers wherever grown. See cut below and description above.



Tokayo Mustard

**Okra or Gumbo**

All Prices on this Page Post Paid

**CULTURE**—One ounce sows 50 feet of drill. Sow after the weather has become warm in rows 3 feet apart, 2 feet apart in the rows.

- 249 WHITE VELVET.** Bears round, white, smooth pods. The market gardeners' favorite.
- 250 EARLY DWARF GREEN.** Of dwarf growth but immensely productive.
- 248 TALL OR LONG GREEN.** Pods long, slender, dark green, and ridged; very tender.
- 251 PERKINS' MAMMOTH LONG POD.** This variety is about three feet high, very early and productive.

Price: All Okra pkt., (1 oz.), 10c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 50c.

**Mustard Seed**

Our Mustard Packets contain one full ounce.

**CULTURE**—One ounce will sow about 80 feet of drill. For early salad sow in February, and for general crop, at intervals through the spring and fall, in rows 6 inches apart, and rather thick in rows.

- 243 SOUTHERN GIANT CURLED.** Plant vigorous and hardy, of upright, spreading growth; leaves large, light green-tinged yellow, much crumpled and frilled at the edges. The popular market variety in the South. Seed small, dark reddish-brown.
- 244 ELEPHANT EAR (Smooth Leaf).** This is a splendid variety for market gardeners and amateurs, and will surely give satisfaction wherever planted. The leaves are smooth, very large, and tender and succulent. Makes a large plant.
- 245 NEW CHINESE.** A very vigorous sort; leaves light green, much crumpled, about twice the size of White and of sweetly pungent flavor.
- 246 WHITE MUSTARD.** Will stand the winter and adapted for fall planting; used for salad.

Price: pkt., (1 oz.), 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb. 65c.

**Onion Seed**

**CULTURE**—Sow in rich, sandy soil, in drills 1 foot apart, as soon as the ground can be worked in spring—at the rate of 4 to 5 lbs. to the acre. Thin to 3 or 4 inches, using the rake and hoe frequently to keep down the weeds.

- 256 WHITE LARGE PORTUGAL.** The standard large flat sort.
- 257 LARGE WHITE GLOBE (Southport Strain).** One of the best.
- 258 YELLOW GLOBE DANVERS.** A well known standard variety.
- 259 IMPROVED RED BERMUDA.** A large, quick growing red variety.
- 260 LARGE RED WEATHERSFIELD.** It is of a beautiful form, skin deep purplish red; flesh purplish white and of a very fine grain.
- 261 LARGE RED GLOBE (Southport Strain).** The finest large red sort.
- 263 MAMMOTH YELLOW SPANISH OR PRIZE-TAKER.** A very handsome late or main crop onion of the largest size.

Price: pkt., 10c; oz., 30c; ¼ lb., 85c; 1 lb., \$3.00.

- 262 WHITE BERMUDA WAX.** The most attractive onion in the world. It is an absolutely pure white Bermuda Onion with a most beautiful waxy appearance that makes it sell on sight in the retail markets.

Price: pkt., 10c; ½ oz., 40c; oz., 65c; ¼ lb., \$1.50; 1 lb., \$4.50.

**Onion Sets—See Page 25****Parsley**

- 274 CHAMPION MOSS CURLED.** A choice selected strain with beautiful crimped and curled bright green leaves.
- 276 PLAIN OR SINGLE.** Leaves are flat, deeply cut, and dark green.

Price: pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., 90c.

**Parsnips**

- 280 SUGAR OR HOLLOW CROWN.** The best for table use; a vegetable of merit, easily raised and of great productiveness.
- 282 LONG SMOOTH.** Roots very long, sugary and of most excellent flavor; very hardy.

Price: pkt., 10c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00.

## Buchanan's Garden Peas

**CULTURE**—Sow as early as the ground can be worked and again every ten days for succession. Peas may be sown in this vicinity as late as the 20th of August. Medium and late Peas must be planted early; Extra-Earlies may be planted again in August. Sow in single or double rows from 4 to 6 feet apart, according to the different heights, about an inch apart in the row (except such sorts as we note to sow thinly) and 4 inches deep. In this climate, the First and Best Pea, if planted from the 10th to the last of August, will produce a fair crop for fall picking, when Peas will be most acceptable.

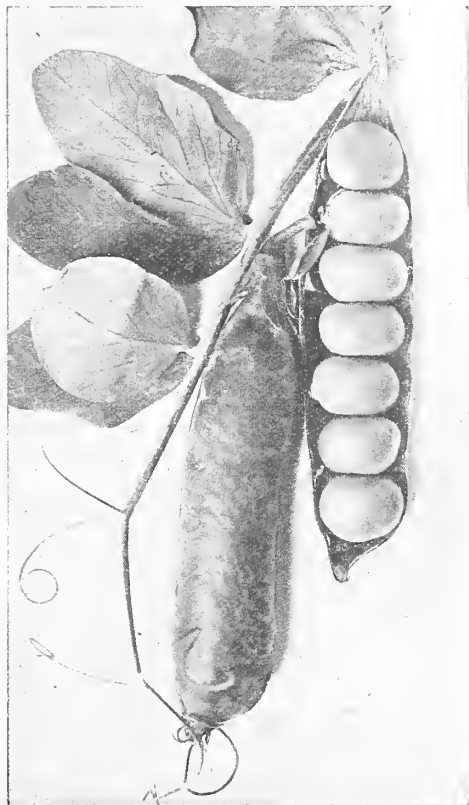
**All Prices on this Page Post Paid**  
**All 10c Pkts. 3 for 25c**

	Pkt.	½ Lb.	1 Lb.	2 Lb.
284 <b>ALASKA.</b> This is the earliest of all small podded peas. Universally used for first planting; the vines are a distinctive light green, and from 2 to 3 feet high. Pods are dark green, about 2½ inches long, straight and well filled with small, smooth blue-green peas of excellent flavor. This pea is a heavy yielder and a favorite among market gardeners.....	.10	.20	.35	.65
288 <b>AMEER, OR LARGE ALASKA.</b> A fine variety which is rapidly becoming more popular with those who want a larger podding pea of the Alaska type. The vine is 3 feet high, more vigorous and of the same color as the Alaska. Pods are one-third larger and filled with 5 to 7 large round peas of fine flavor. The crop ripens about a week later than the Alaska.....	.10	.20	.35	.65
287 <b>AMERICAN WONDER.</b> The earliest of the dwarf, wrinkled sorts. The vines are 9 to 12 inches high and produce a good crop of well filled pods, nearly 3 inches long, containing 5 to 7 large peas. Very sweet and tender. The seed is pale green, flattened and wrinkled.....	.10	.20	.35	.65
286 <b>FIRST AND BEST.</b> Extra Early; one of the earliest varieties, with smooth, white peas. Vines are about 18 to 24 in. high; pods short and well filled; quality the best.....	.10	.20	.35	.65
291 <b>GRADUS OR PROSPERITY.</b> This pea is an extremely early large-podded, wrinkled variety, which matures only a few days later than the little round-seeded, small-podded varieties. The vines are nearly 4 feet high and the pods are very large. The peas are large and light green in color.....	.10	.25	.40	.75
285 <b>PREMIUM GEM (Improved Little Gem).</b> A very desirable early green, wrinkled, dwarf variety. The vine is very productive and grows to a height of from 15 to 18 inches.....	.10	.20	.35	.65
297 <b>LITTLE MARVEL.</b> The vines are sturdy, nearly 18 inches high, heavily set with straight, deep green pods, square ended at the bottom and nearly 3 inches in length. Its season is about the same as Premium Gem. Seed large, wrinkled.....	.10	.20	.35	.65
283 <b>LAXTONIAN.</b> This is the largest podded of all the early varieties. The dark green pods are similar to Gradus in shape and splendid quality, are as large in size and often mature a little earlier. Vines are vigorous and productive, averaging 15 to 18 inches high.....	.10	.20	.40	.75
289 <b>ALDERMAN.</b> It is of the finest large podded summer varieties. The vine grows 5 feet in height, and is of a dark green coloring, as are also the large pods. Pods frequently measure 6 inches in length and contain from eight to nine large peas of superior flavor.....	.10	.20	.35	.65

### ONION SETS

267 White Silverskin .....	1 qt., 30c; 4 qts., \$ .85; pk., \$1.50
268 Red Weathersfield .....	1 qt., 25c; 4 qts., .75; pk., 1.40
266 Yellow Danvers .....	1 qt., 25c; 4 qts., .75; pk., 1.40
272 Winter Top Shallot .....	1 qt., 25c; 4 qts., .75; pk., 1.40
269 Yellow Potato .....	1 qt., 50c; 4 qts., 1.50; pk., 3.00
270 White Multiplier .....	1 qt., 40c; 4 qts., 1.40; pk., 2.75

We are in the market for Yellow Potato and White Multiplier Onion Sets. If you have any to offer, send us sample.



**Laxtonian Peas—Finest Market Peas Grown**

**292 CHAMPION OF ENGLAND.** A very productive standard main crop variety, one of the best flavored of the late peas. The vines are 4 to 5 feet high, and the foliage is medium green. The pods are medium dark green, broad and nearly straight, and about 3 inches long. We have a fine stock of these peas.  
Pkt. 10c; ½ lb. 20c; 1b. 35c; 2 lb. 65c.

**293 TELEPHONE.** A standard variety, grows tall and large; peas are wrinkled and of fine quality. Vines and foliage are strong and heavy, medium green. One of the best main crop varieties.  
Pkt. 10c; ½ lb. 20c; 1b. 30c; 2 lb. 60c.

**298 BLISS EVERBEARING.** The vines are stout, of medium height, about 2½ to 3 feet, bearing at the top 6 to 10 good sized pods, about 2½ to 3 inches long.  
Pkt. 10c; ½ lb. 20c; 1b. 35c; 2 lb. 60c.

**294 LARGE WHITE MARROWFAT.** This variety is very tall, about 5 feet, and of strong growth. The pods are about 3 inches long, round, light green and somewhat rough.  
Pkt. 10c; ½ lb. 20c; 1b. 35c; 2 lb. 55c.

**295 LARGE BLACK EYE MARROWFAT.** An excellent tall variety, about 5 feet high. It is a very prolific bearer of large pods, about 3 inches long.  
Pkt. 10c; ½ lb. 20c; 1b. 35c; 2 lb. 55c.



## Buchanan's Pumpkin Seed

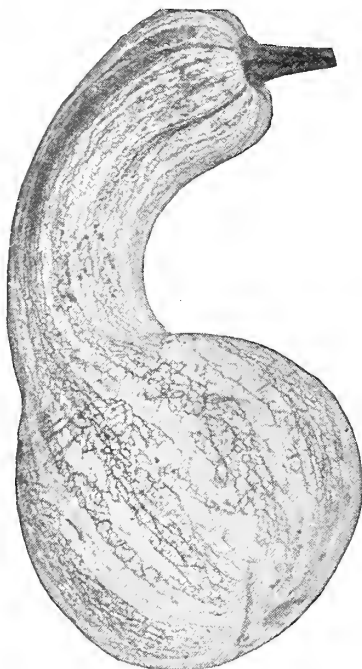
**CULTURE**—One pound will plant 40 to 50 hills; 5 pounds will plant one acre. Plant in hills 8 to 10 feet apart each way, four seed to the hill. For a good crop the soil should be rich. Cultivate same as cucumbers or melons. Pumpkins should not be planted in the garden, as they will readily mix with squash, much to the detriment of same. Many pumpkins are raised between corn hills, where they should be planted about 15 feet apart.

**1 Oz. Pumpkin Seed Contains about 165 Seed**

All Prices on This Page Post Paid  
All 10c Pkts. 3 for 25c



Sugar or New England Pie



Genuine Green Striped Cushaw

- 315 CUSHAW—Green Striped.** The fruits are crook-necked with the seed in the blossom end; the rind is white, mottled with irregular green stripes. The average weight is about 12 pounds. It is the most popular of the cushaw types; it is early and very prolific. The seeds are white and highly enameled, and it is largely used for feeding stock. Matures in 120 days. Size 16x10 inches.  
Price.....Pkt. (½ Oz.) 10c; Oz. 15c; ¼ Lb. 40c; Lb. \$1.25; 5 Lbs. \$5.00
- 318 JAPANESE PIE.** Its shape is similar to the Cushaw pumpkins, crook-necked, but the skin is a dark green, often showing a trace of lighter green stripes. The seed are large, enameled and are engraved or marked in an irregular way, a little similar to Chinese letters. A very early, popular variety. The seed are all in the blossom end, the neck being solid; it furnishes a large amount of food for stock or canning. Matures in 115 days. Size 12x8 inches. Weight 10 to 12 pounds.  
Price.....Pkt. (½ Oz.) 10c; Oz. 15c; ¼ Lb. 40c; Lb. \$1.25; 5 Lbs. \$5.00
- 316 KING OF THE MAMMOTH OR POTIRON.** The fruits produced are the largest of any pumpkin or squash; it is often called hundredweight. It is used largely for stock feeding and for exhibition purposes; we occasionally have fruits weighing 100 pounds, but the average is considerably under this. They are a bright lemon in color, mottled with orange color; the fruits are round with a trace of ribbing. The flesh is very hard, firm, and while a little coarse in texture, is of good quality. Very often the fruits are netted or covered with a network of veins a little similar to those occurring on muskmelons. Matures in 120 days. Size 24x18 inches. Weight 60 pounds.  
Price.....Pkt. (½ Oz.) 10c; Oz. 20c; ¼ Lb. 50c; Lb. \$1.40; 5 Lbs. \$5.25.
- 314 KENTUCKY FIELD.** The fruits are a little similar to the Large Cheese, but these two kinds are not identical in our opinion. Kentucky Field is used very largely for canning and for feeding stock. The fruits are flat, and the seed are small and rough. It is a very hardy, late variety. The fruits often are dull orange in color and are not uniform in shape, many being long or round. Matures in 120 days. Size 12x7 inches. Weight 10 pounds.  
Price.....Pkt. (½ Oz.) 10c; Oz. 15c; ¼ Lb. 25c; Lb. 65c; 5 Lbs. \$2.50
- 320 LARGE CHEESE.** It derives its name from its similarity to a cheese box; the fruits are very flat, cream colored and slightly ribbed. It is in wide use for canning purposes; it keeps exceptionally well and is one of the old, widely used kinds of exceptional merit. The seed are small, thin and fuzzy in appearance. It is extremely prolific and disease resistant. Matures in 110 days. Size 12x7 inches. Weight 9 pounds.  
Price.....Pkt. (½ Oz.) 10c; Oz. 15c; ¼ Lb. 35c; Lb. 75c; 5 Lbs. \$3.00
- 319 QUAKER PIE.** The fruits are medium sized and pointed at both ends; it may be called double bell shaped. The skin is a cream color, very smooth and hard, and the flesh thick and sweet. It is an early variety, but not widely used. Matures in 115 days. Size 12x7 inches. Weight 10 pounds.  
Price.....Pkt. (½ Oz.) 10c; Oz. 15c; ¼ Lb. 40c; Lb. \$1.25; 5 Lbs. \$5.00
- 313 SMALL SUGAR.** It is also called Boston Pie and Sugar Pie. We believe this variety to be the best pumpkin for general use; it is late, very prolific, and its thick, sweet flesh is adapted for all purposes. The fruits are round and flat on the ends; the color is a deep orange and the pumpkins have distinct ridges or stripes around them. It will store exceptionally well; it is used largely for canning, but more for home and market gardens. Matures in 120 days. Size 8x10 inches. Weight 6 to 7 pounds.  
Price.....Pkt. (½ Oz.) 10c; Oz. 15c; ¼ Lb. 40c; Lb. \$1.25; 5 Lbs. \$5.00
- 317 TENNESSEE SWEET POTATO.** The fruits are pear or bell shaped, of medium size and with a white skin, slightly mottled with green stripes of a light shade. The seed are large and highly enameled; the fruits average about 15 pounds in weight; the flesh is a creamy white and is very thick and sweet. It is an early type of pumpkin and enjoys wide use. Mature in 110 days. Size 12x9 inches.  
Price.....Pkt. (½ Oz.) 10c; Oz. 15c; ¼ Lb. 40c; Lb. \$1.25; 5 Lbs. \$5.00
- 325 CORN FIELD PUMPKINS—For Feeding Stock.** Usually planted in cornfields on bottom land; will produce enormous crops.  
Price.....Pkt. (Oz.) 10c; ¼ Lb. 20c; 1 Lb. 50c; 5 Lbs. \$2.00

### DROUGHT WARNING

Owing to the world-wide drought during 1930, I know that many crops of garden and field seeds are a total failure and many stocks will be exhausted early.

I urge my friends and customers to place their orders now for the seeds they will need for planting the 1931 crop.

R. B. BUCHANAN.



King of the Mammoths



Japanese Pie Pumpkin





**R.B. BUCHANAN SEED CO.**

**MEMPHIS, TENNESSEE.**



**BUCK BRAND TESTED SEEDS**

## Buchanan's Radish Seeds

**CULTURE**—Sow in open ground, in spring, as soon as the soil can be worked. Sow in rich, sandy loam, in drills 18 inches apart; thin plants to prevent crowding. Keep the soil loose and apply a little nitrate of soda. Successive plantings should be made every 10 days or 2 weeks to keep up a continuous supply of crisp and tender radishes. For early use plant the round or button radishes and olive shaped. For later use plant the long and half-long varieties. Sow one ounce of seed to 100 feet of row.

**FOR FIELD PLANTING**—Plant in rows 15 inches apart, plants 3 inches apart, 8 to 10 lbs. to acre, matures in 24 to 40 days, the white tipped is best for all markets.

All Prices on This Page Are Post Paid.  
All 10c Pkts., 3 for 25c.

FOR WHOLESALE PRICES—NOT PREPAID—  
See yellow sheet in center of catalogue.

### Round and Turnip-Shaped Varieties

**340 BUCHANAN'S EPICURE RADISH (White Tipped).** One of the best early radishes for the home garden and a great favorite in large markets for early planting outdoors. The color is very bright, deep rose-carmine scarlet with a distinctly white tip. The flesh is white and of the best quality. The scarlet is unusually deep and affords a distinct contrast with the large, clear white tip. Packet, 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 30c; 1 lb., 75c; 5 lbs., \$3.25.

**339 EARLY SCARLET TURNIP (White Tipped).** One of the best early radishes for the home garden and a great favorite in large markets for early planting outdoors. The roots are nearly round, slightly flattened on the underside. The color is very bright, deep rose-carmine scarlet with a distinctly white tip. The flesh is white and of the best quality. The stock we offer is exceptionally attractive in its splendid coloring. The scarlet is unusually deep and affords a distinct contrast with the large, clear, white tip. Packet, 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c; 5 lbs., \$3.00.

**351 BUCHANAN'S SCARLET GLOBE.** One of the earliest and best for forcing; color a very handsome shade of scarlet; mild flavor, crisp and juicy; stands a great amount of heat without becoming pithy. This variety does equally well for forcing and outdoor planting. Packet, 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 80c; 5 lbs., \$3.25.

**338 EARLY SCARLET TURNIP.** A round, red turnip shaped radish with small tops and of very quick growth, deserving general cultivation on account of its rich, scarlet-red color, almost crimson, and its white, crisp, and tender flesh. The roots often grow 1 inch long by  $1\frac{1}{8}$  inches in diameter before becoming pithy. This is a splendid variety for early outdoor planting for the home garden and market. Packet, 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c; 5 lbs., \$3.00.

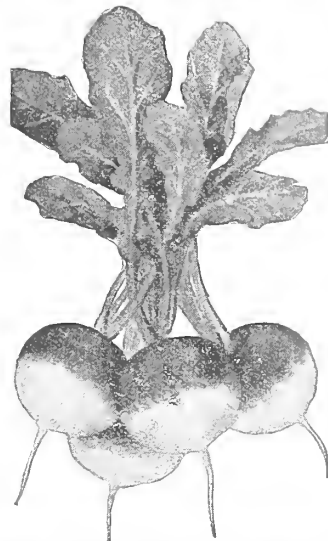
**350 FRENCH BREAKFAST.** A quick-growing, small, olive shaped radish about  $1\frac{1}{2}$  inches long by  $\frac{5}{8}$  to  $\frac{3}{4}$  of an inch in diameter when fully grown. The color is beautiful deep rose-scarlet except a little clear white about the tip. This is an excellent variety for planting outdoors for the home garden. Its small tops and earliness make it also desirable for growing under glass. Packet, 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c; 5 lbs., \$3.00.

**347 CRIMSON GIANT.** Suitable both for forcing or early planting out of doors. A remarkable feature is that it will grow double the size of other round red forcing Radishes and still remain solid, not showing the least sign of becoming hollow. In shape it is round to oval and very attractive. The flesh is mild and tender. Packet, 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c; 5 lbs., \$3.00.

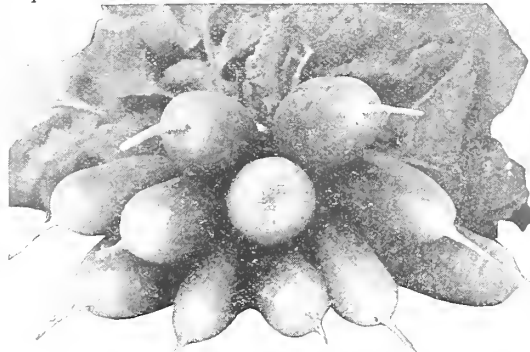
**354 GOLDEN GLOBE.** This variety is of quick growth, affording crisp and tender radishes even in a very hot climate and is extensively grown in the South. The roots are uniformly globe-shaped, with skin of golden yellow color. They are about 2 inches long by  $2\frac{1}{4}$  inches in diameter when mature. Packet, 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 85c; 5 lbs., \$3.50.

**344 BUCHANAN'S NEW PERFECTION (White Tipped).** This type of Radish, having red skin with a white tip, has long been a great favorite, and with this variety the white portion extends much farther up than is the case with ordinary Scarlet Turnip White Tip Radish. The general contour is turnip-shape, and size medium, very uniform, with flesh crisp, tender, and sparkling. The rapidity of its growth recommends "New Perfection" for growing in the greenhouse, but it is equally as valuable for sowing in the vegetable garden. Packet, 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

**353 MIXED RADISHES.** Buchanan's Mixed Radishes contain some of each variety catalogued by us, except the winter varieties. It contains early, medium, and late varieties, the round, half-long, and long. For home garden use we sell thousands of packages of this justly celebrated mixture every year, giving, as it does, a succession of crisp, tender radishes throughout the season from one sowing. Packet, 10c; 1 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 65c; 5 lbs., \$3.00.



Early Scarlet White-Tipped Radish



Buchanan's French Breakfast Radish



Buchanan's New Perfection Radish

FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.

All Seeds listed on this page are delivered transportation paid in the U.S. or possessions. Order Early.



## Buchanan's Radish Seeds—Long Varieties

ALL PRICES ON THIS PAGE POST PAID.

All 10c Pkts., 3 for 25c



White Icicle Radish



## Salsify, or Oyster Plant

Culture—One ounce is sufficient for 75 feet of drill; 5 to 6 lbs. to acre. Plant usually latter part of March, in rows from 2 to 2½ feet apart, thinning later to about 4 inches in the row. Does best in very rich soil.

**364—MAMMOTH SANDWICH ISLAND**—Pkt., 10c; 1 oz., 20c; 2 oz., 40c; ¼ lb., 60c; 1 lb., \$2.00.

**352—CINCINNATI MARKET**—This is the finest long radish to plant for shipment to Northern markets. It is the standard market radish in a number of Southern trucking centers, and is without a doubt the most profitable long variety in cultivation. The skin is scarlet colored, and very thin; the flesh is crisp, brittle, and of delightful flavor. The roots are slender and before becoming pithy are often 6 to 8 inches long by about 5/8 of an inch in diameter at the shoulder. Pkt., 10c; 1 oz., 15c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.00.

**341—HALF LONG DEEP SCARLET**—The roots of this hardy and desirable sort are of a very brilliant, deep, rich red color and half long, with a somewhat tapering point; the flesh is very white, crisp and tender; of quick growth and seldom pithy. Pkt., 10c; 1 oz., 15c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

**343—LONG SCARLET SHORT TOP**—The best of the long red radishes. It is very early, of good size, fine quality; most largely planted of all long red radishes. Pkt., 10c; 1 oz., 15c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.50.

**345—WHITE VIENNA, or LADY FINGER**—A medium early maturing, long white summer radish; roots are 6 to 7 inches long, white, slender and smooth. This variety grows more above the ground than the icicle and consequently is more or less tinged with green at the top of the root. Pkt., 10c; 1 oz., 15c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.00.

**346—WHITE ICICLE**—A very attractive, pure white radish, the earliest of the long, white summer sorts and of most excellent quality. The roots are somewhat shorter, with smaller tops than Long White Vienna and mature a little earlier. The roots when mature are 5 to 6 inches long by about ½ to ¾ of an inch in diameter. Pkt., 10c; 1 oz., 15c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.00.

**355—CALIFORNIA MAMMOTH WHITE**—The roots of this very large white winter sort grow 9 to 12 inches long, by 3 to 4 inches or more in diameter just below the shoulder, tapering regularly to the tip. Pkt., 10c; 1 oz., 15c; ¼ lb., 25c; 1 lb., 85c; 5 lbs., \$3.00.

**349—LONG BLACK SPANISH**—One of the latest and hardiest varieties for winter use; grows to large size; roots 8 to 9 inches long and 2 to 3 inches in diameter, nearly black in color. The flesh is white, very firm and of good quality; a very popular market variety. Pkt., 10c; 1 oz., 15c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.25.

**348—CHINA ROSE, WINTER**—One of the very best winter sorts, roots are cylindrical, or largest near the bottom, stump-rooted, or blunt at both ends; skin smooth and bright, deep rose color; flesh white, crisp and pungent; the roots are 4 to 5 inches long and 2 inches thick. Pkt., 10c; 1 oz., 15c; ¼ lb., 25c; 1 lb., 85c; 5 lbs., \$3.50.

## SPINACH—The Health Plant

Culture—One ounce to 60 feet of drill. For an early summer crop sow early in the spring, in drills, 1 foot apart, and thin out to 2 inches in the row. For winter and early spring crop sow either broadcast or in drills about the first of September to December 15th.

For Fields—Sow broadcast 15 to 20 lbs. to acre, ready in 8 weeks, produces enormously and is becoming one of the south's best quick money crops. Write for prices in quantities.

**359—BLOOMSDALE CURLED SAVOY**—A most valuable variety. In appearance the leaf is wrinkled in the same way as that of the Savoy Cabbage, hence the name. It produces nearly twice the bulk of crop as the ordinary sort, is fully as hardy, and in all other respects equal. Pkt. (1 oz.), 10c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$2.00.

**358—BROAD LEAVED FLANDERS**—One of the most vigorous, strong growing varieties. The leaves are nearly round, uniformly deep green, quite thick. Pkt. (1 oz.), 10c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$2.00.

**356—LARGE VIROFLAY THICK LEAF**—A variety with very large, thick leaves, making it especially desirable where bulk is wanted. Pkt. (1 oz.), 10c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$2.50.

**361—NEW ZEALAND**—Grows 1½ ft. high and, if transplanted, two or three feet will produce an abundant crop in the hot weather when the ordinary spinach cannot be had. Pkt., 10c; 1 oz., 15c; ¼ lb., 25c; 1 lb., 85c; 5 lbs., \$3.00.

**360—VICTORIA**—One of the best varieties for spring growing, as it stands fully two weeks longer than any other sort before running to seed. Pkt., (1 oz.), 10c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$2.00.

**362—NORFOLK CURLED**—Originated by the Virginia Truck Growers, who claim it will resist wilt much better than Bloomsdale Savoy, which it resembles. Pkt. (1 oz.), 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., \$3.00.

**357—KING OF DENMARK SPINACH**—A very popular variety of recent introduction, and has proven very successful to grow in hot weather. The color is darker green than most varieties and the leaves are well crimped and very attractive. Pkt. (1 oz.), 10c; ¼ lb., 25c; 1 lb., 50c; 5 lbs., \$2.00.



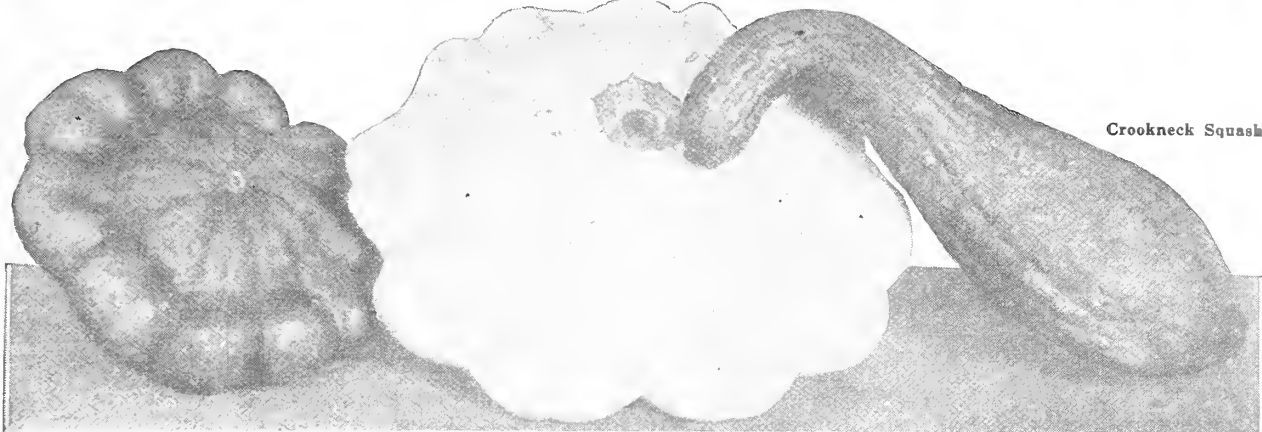
# R. B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.

## BUCK BRAND TESTED SEEDS



Golden Custard.

Buchanan's White Bush Squash



Crookneck Squash.

**CULTURE**—Squash will not stand frost and cold nights, hence plantings should not be made until danger of frost and cold nights is over. Work the soil deeply before planting. For the bush varieties, hills should be 3 to 4 feet apart each way, 6 to 10 seeds in each hill, covering seed about 1 inch. Thin out to 2 plants after rough leaves are formed. One or two shovelfuls of well-rotted manure to each hill, thoroughly worked into the soil, is advantageous. Hoe often, keeping down all weeds and grass. Keep surface soil loose, but do not disturb the plants.

**For Field Planting**—Plant in hills 3 feet apart and rows 4 feet apart, 3 pounds seed to acre, ready for use in 60 days.

### ALL PRICES ON THIS PAGE POST PAID

All 10c Pkts. 3 for 25c

**368—EARLY WHITE BUSH**—The well known White Scalloped Squash. One of the earliest to mature, very productive; skin and flesh a light cream color. Similar to Mammoth White Bush except finer grained and not so large. A very popular variety for shipment to Northern markets from Florida as well as being a general favorite for home gardeners everywhere. Pkt., 10c; 1 oz., 15c; ¼ lb., 30c; 1 lb., \$1.00; 5 lbs., \$4.00.

**369—MAMMOTH WHITE BUSH**—Similar to Early White Bush. They are larger and more uniform in shape, and about five days later. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.00.

**371—GOLDEN SUMMER CROOKNECK**—Bush variety, early and prolific; surface deep yellow, densely warted, quality and flavor good. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.00.

**372—GIANT YELLOW CROOKNECK**—The best summer variety. Fruit is large, bright yellow, and covered with warts. Pkt., 10c; 1 oz., 20c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.00.

**367—GOLDEN CUSTARD**—A flattened, scalloped bush squash of the largest size. Flesh is pale yellow and of very fine flavor. Except for color, this squash is identical with the

**Mammoth White Bush.** This is a splendid yellow variety to plant. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.00.

**373—DELICIOUS**—A fall or winter sort, of medium size; top-shaped in form, dark green in color. The flesh is dark orange, very sweet, dry and delicious. An excellent keeper. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.00.

**374—HUBBARD**—One of the best winter squashes; flesh bright orange yellow, fine-grained, very dry, sweet and richly flavored. Pkt., 10c; 1 oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.00.

### FOR WHOLESALE PRICES—NOT PREPAID—

See yellow sheet in center of catalogue.

## HERBS

For flavoring soups, meats, etc., a few pot and sweet herbs are necessary for every garden. If they are to be used during the winter, the stalks should be cut on a dry day, when not quite in full bloom.

Varieties preceded by an (\*) are perennials.

**ANISE**—Used for garnishing, seasoning and for cordials. Pkt., 10c; oz., 35c.

**BASIL, Sweet**—The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt., 10c; oz., 50c.

**\*CHIVES SEED**—Used for seasoning. Pkt., 10c; ½ oz., 40c; oz., 75c. Plants, 3 for 65c; doz., \$2.00.

**DILL**—Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

**\*FENNEL, Sweet**—The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 10c; oz., 25c.

**LAVENDER**—True Lavender. Pkt., 10c; oz., 75c.

**MARJORAM (Sweet)**—The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. Pkt., 10c; oz., 50c.

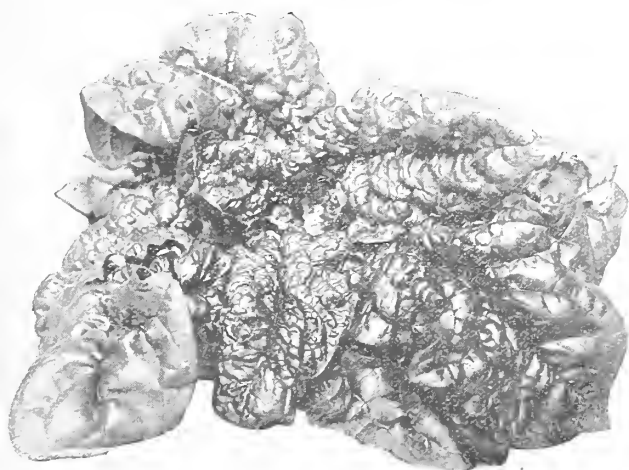
**MINT**—For mint sauce and juleps. Strong pot plants. Price, 3 for 50c; doz., \$1.50.

**ROSEMARY**—The leaves are used for seasoning. Pkt., 10c; ½ oz., 25c.

**SAGE (Holt's Mammoth)**—The plants are of strong growth, attain a height of 1 ft. the first season and spread so that a single plant covers a space of 3 ft. in diameter. Price, 3 for 65c; 12 for \$2.50; 100, \$12.00.

**SAGE SEED**—Leaves and tops are used for seasoning and stuffing. Pkt., 10c; ½ oz., 30c; oz., 50c.

**THYME**—Used for seasoning; a tea is also made for nervous headache. Pkt., 10c; ½ oz., 30c; oz., 60c.



Bloomsdale Spinach

See Page 28 for Prices



R.B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.

BUCK BRAND TESTED SEEDS



## Buchanan's Tomato Seeds

**CULTURE**—Six or eight weeks before frost is over, sow  $\frac{1}{4}$  inch deep in hot-beds, in pots or shallow boxes in the house, and when they have made 4 leaves transplant to boxes or pots to promote root growth. Expose as much as possible to harden them so that, when set out in the open ground, they will be strong and stocky, but do not allow the growth to be checked. Transplant 3 to 4 feet apart in a light, warm soil, and shade them a few days until they are well rooted. One ounce makes about 1,500 plants; 4 ounces will make plants for an acre.

For Field Planting—Set plants 3 ft. apart in rows 4 ft. apart, require 3,600 plants to acre.

### ALL TOMATO PRICES POSTPAID.

**393—MARGLOBE** Newest Wilt Resistant—Main crop, scarlet-fruited variety, originated by the U. S. Dept. of Agriculture for wilt resistance. It is claimed to be also resistant to "nail-head rust" which attacks tomato fruits. Fruits are of medium size, smooth, solid and deep from stem to blossom ends. They are set in clusters of 5 to 7 on vines with medium to heavy growth. Cell structure is irregular. It is a cross between Marvel and Globe and really has retained the best characteristics of each except perhaps it is not quite as solid as the Globe. It is a valuable addition for wilt resistance, the popular Globe shape, scarlet color, a good cropper, marketer and shipper. Marglobe simply leaped into popularity for the main crop tomato in wilt territories—the best all-round variety. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00.

**385—NORTON WILT-RESISTANT (Red)**—Norton was developed from the Stone, which ripens at the same season, and can be classed as a wilt-resistant Stone, but a more abundant bearer and the fruits are more solid. It yields a heavy crop of large, smooth, solid red fruits that ripen slowly; therefore is a good keeper and a good shipper; it is also remarkably drought-resistant. An excellent tomato for the home garden, for canning and for the late market. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00.

**384—NORDUKE WILT-RESISTANT (Red)**—The Norduke represents the best effort of the U. S. Dept. of Agriculture in wilt-resistant tomatoes. Not as late as Norton, and makes large, smooth, red fruits that are borne in great abundance. It ripens more quickly than Norton, so does not ship as well, but is a fine tomato for the home garden and for canning. Splendid crops of Norduke have been grown in wilt-infested fields where the entire crop of non-wilt-resistant tomatoes were entirely killed by wilt. Pkt., 10c;  $\frac{1}{2}$  oz., 30c; oz., 50c;  $\frac{1}{4}$  lb., \$1.60; lb., \$5.00.

**394—GULF STATE MARKET WILT-RESISTANT**—We believe the Gulf State Market will, before many years, be the chief purple fruited market variety grown in the Gulf States. Gulf State Market was developed out of the Early Detroit, and retains the earliness of that variety. The vines are very vigorous and withstand blight exceptionally well. The fruits are large for so early a variety, round or globe shaped, show but little depression about stem and are smooth and free from cracks. Color deep purplish-pink ripening well about the stem. The skin is firm and the flesh is solid. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c;  $\frac{1}{4}$  lb., \$1.35; lb., \$4.50.

**391—BUCK BRAND TOMATO WILT-RESISTANT (Pink)**—One of the very best early tomatoes yet introduced. The vines are vigorous and very productive. The fruits are deep pink, nearly round or somewhat flattened, smooth, of large size and most excellent quality. They ripen very early and the pickings continue through a long season. One of the very best early pink fruited sorts, and on account of its large size, excellent quality and productiveness, one of the most satisfactory sorts for the home garden. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c;  $\frac{1}{4}$  lb., \$1.35; lb., \$4.50.

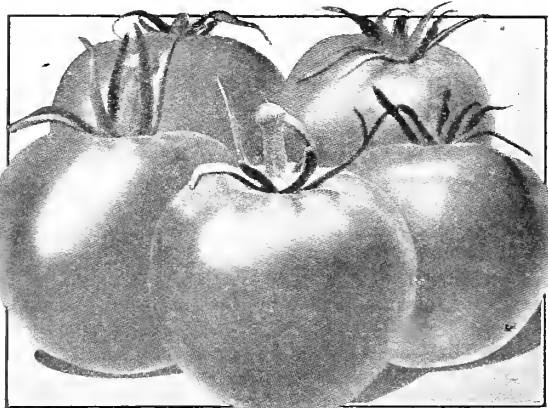
**377 BUCHANAN'S BEEFSTEAK (Pink)**—Is without doubt the largest, meatiest and finest flavored tomato in cultivation, and is less acid than most varieties. The plants are healthy and luxuriant, quite blight-resistant and continuous and abundant bearers. They are so vigorous that even in dry seasons we have grown tomatoes of unusual size. The fruits are practically all meat with exceptionally few seeds. If trained to a single stem tomatoes weighing a pound or more are not unusual. Pkt., 10c;  $\frac{1}{2}$  oz., 30c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.00.

**381—BUCHANAN'S PONDEROSA (Purple)**—The color is purple crimson. It is the largest tomato in cultivation, the heaviest, and in addition to these two splendid features it is delicious in flavor. Shape is rather regular, considering its immense size, and makes a splendid slicing variety, having few seeds. Pkt., 10c;  $\frac{1}{2}$  oz., 30c; oz., 50c;  $\frac{1}{4}$  lb., \$1.75; lb., \$6.00.

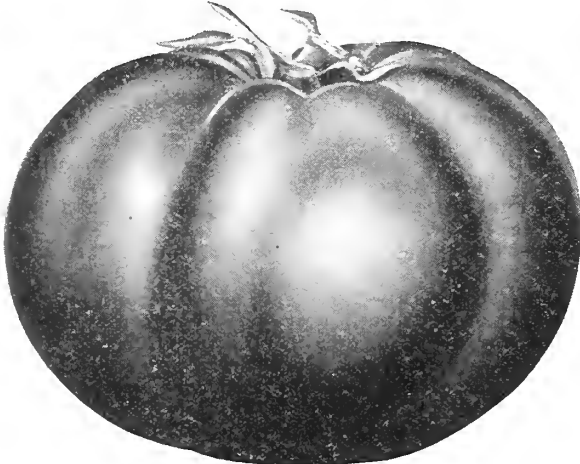
**375—EARLY ACME (Purplish Pink)**—The vines are large, hardy and productive, ripening their first fruits very early, although not an extra early variety. The fruits are purplish pink, round, smooth and of medium size, free from cracks and stand shipment very well. Acme is also used extensively for the home garden. The flesh is solid and of excellent flavor. Pkt., 10c;  $\frac{1}{2}$  oz., 20c; oz., 35c;  $\frac{1}{4}$  lb., 95c; lb., \$3.00.



Gulf State Market



Marglobe



Beefsteak

FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.



**388—LIVINGSTON GLOBE (Purplish Pink)**—A tomato of outstanding merit that ripens just after the very early kinds. Always smooth, firm fleshed and has but few seeds, especially the early fruits. Very productive; the plants have many short joints at which clusters of fruits are formed; they are borne freely all over the vine, are uniform in size, solid and heavy and with hardly a trace of a core. The globe shape allows more slices from each fruit than other varieties. Probably no other tomato is as nearly blight proof. A remarkably good keeper, and even when picked quite green, it ships well and colors up handsomely. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35; lb., \$4.50.

**379—CHALK'S JEWEL (Bright Scarlet)**—Extra early in maturity, coming in very shortly after Earliana, but a heavier cropper, with fruits of larger size and sweeter flavor. A particular advantage is its hardy, vigorous and robust growth. It continues bearing through a long season. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 95c; lb., \$3.00.

**378—SPARKS' EARLIANA (Pink)**—Medium size, of purplish pink color, very prolific, fruits forming almost in clusters. Very handsome in shape, quite solid, and of fine quality. Very popular for early market. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

**386—LOUISIANA PINK**—A wilt-resistant variety that has been grown and selected for 10 years by the Louisiana Experiment Station, Baton Rouge, La. A smooth fleshed, medium-sized pink tomato with a small seed cavity and few seeds. The skin is medium in thickness. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75; lb., \$6.00.

**383—RED ROCK, the Big Red Solid Meaty Tomato**—Red Rock is the best large late red tomato for home use, nearby market or canning. Matures in 110 to 115 days. Meat is solid without being hard, and of the finest flavor. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

**389—EARLY DETROIT (Purple)**—This splendid variety is the largest and best of the early purplish pink tomatoes. The fruits are very smooth, uniform in size, nearly globe-shaped, firm, and of excellent quality. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

**392—JUNE PINK TOMATO**—Unexcelled for home use and shipping. A highly developed strain that will produce an attractive purplish-pink tomato of the finest quality as early as the Earliana. The fruits are large, nearly round, very smooth and solid. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; lb., \$4.25.

**376—BEAUTY (Pink)**—The vines are large, hardy and productive, ripening their first fruits very early, although not an extra early variety. The fruits are purplish-pink, round, smooth, and of medium size, free from cracks and stand shipment very well. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 95c; lb., \$3.00.

**382—STONE (Deep Red)**—The standard and general favorite with truckers and canners; always dependable, very vigorous and productive; fruits round, large, solid, smooth, and deep red in color. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

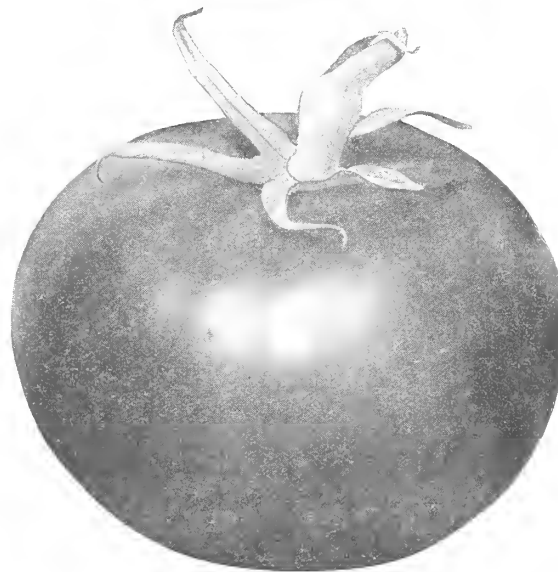
**390—BONNY BEST (Scarlet)**—Not quite as early as Earliana, though only a few days later, but a more satisfactory tomato. A vigorous grower and enormously prolific, with splendid foliage which protects the fruits from the hot sun. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

**397—BUCHANAN'S BRIMMER TOMATO**—The largest of all tomatoes. Single tomatoes weighing 3 pounds and 18 inches around have been grown by training to a single stem. It must be staked. The Brimmer has no core, very few seeds and is solid and nearly all meat. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00; lb., \$7.50.

**380—GOLDEN QUEEN**—Very handsome and the best large smooth yellow tomato. Meaty, solid and sweet, with bright golden yellow color. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.



Livingston's Globe



Buck Brand



Earliana

### Two Outstanding Red Tomatoes for a Successive Crop

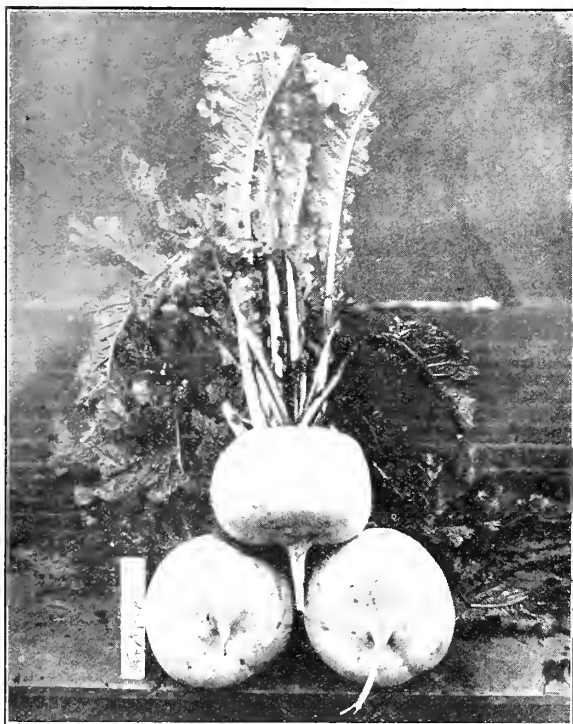
#### FOR VERY EARLY

**378—A SELECTED EARLIANA**  
—Grown in Northern Michigan. Outclasses all of the ordinary strains of Earliana. The fruits are deep scarlet, almost perfectly round, very solid, with a very small core and few seeds. They mature very early and uniformly in prolific clusters near the center of the plant, and are borne on strong vigorous vines. Packet, 25c; ½ oz., 60c; 1 oz., \$1.00.

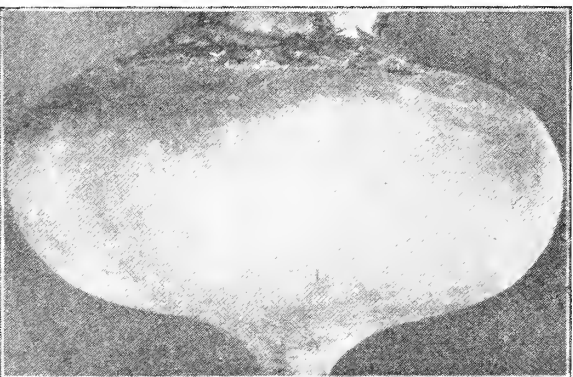
#### FOR MAIN CROP

**393—A SELECTED MARGLOBE**  
—New and distinct. A hybrid from Marvel and Livingston's Globe. Entirely immune from rust and wilt. A pure scarlet, globe-shaped, with the size and fine qualities of Livingston's Globe but earlier and a heavier cropper. Valuable for canning and marketing due to its solidity, scarlet color and fine appearance. Packet, 25c; ½ oz., 60c; oz., \$1.00.

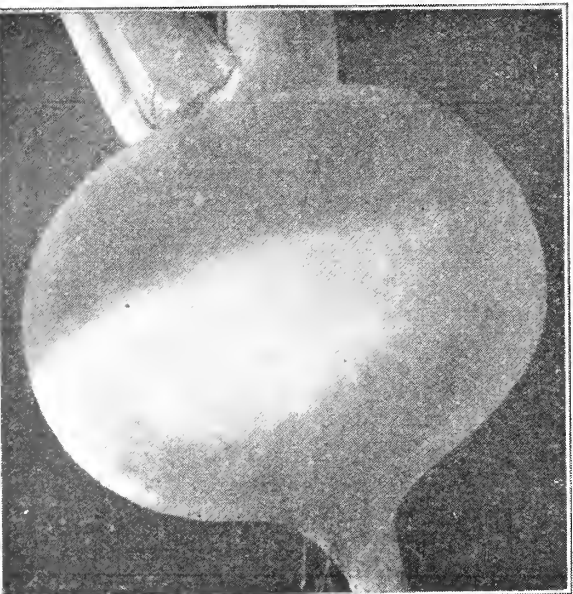
FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.



**Buck-a-loo Turnip**



**Purple Top Strap Leaf**



**Purple Top Globe**

## Buchanan's Turnip Seeds

All 10c Pkts. 3 for 25c

**CULTURE**—One ounce will sow 200 feet in a drill; 1 to 2 lbs. for an acre. For early use, sow seed of flat varieties in open ground in spring, in drills 1 foot or more apart, using seed sparingly. Thin to 3 or 4 inches apart. For succession sow every two weeks until May. For fall and winter sow in August and until December. A good crop may often be grown by scattering seed thinly in the cornfield and cotton field at the last cultivation.

**407—BUCK-A-LOO TURNIP**—This wonderful new turnip from the Orient is now one of the South's most popular varieties for summer and fall planting. The roots are pure white, between flat and globe in shape (see cut.) The leaves grow upright and are practically free from insect attacks; they are splendid for greens, mild flavor and will grow in the hottest and driest weather. Original stock can only be procured from us and packed in sealed packages.

Price, Pkt. 10c; Oz. 15c; 1/4 lb. 35c; 1/2 lb. 65c; 1 lb. \$1.25; 5 lbs. \$5.00 Postpaid.

**402—BUCHANAN'S AMERICAN RED TOP WHITE GLOBE**—Known by practically all Southern Market Gardeners as the greatest globe turnip for market and home use. Pkt. (1 oz.), 15c; 1/4 lb., 25c; 1/2 lb., 45c; 1 lb., 75c; 5 lbs., \$3.00.

Price, All Varieties Turnips Listed Below—Pkt. (1 oz.), 10c; 1/4 lb., 20c; 1/2 lb., 35c; 1 lb., 60c; 5 lbs., \$2.50, postpaid. Write for prices on larger quantities.

**395—LARGE WHITE GLOBE**—Of perfect globe shape; skin white and smooth.

**396—EXTRA EARLY PURPLE TOP MILAN**—The finest extra early garden turnip.

**399—RED OR PURPLE TOP FLAT STRAP LEAF**—An early flat sort, flesh white.

**400—SEVEN TOP**—Used extensively for greens, will grow all winter.

**401—MAMMOTH PURPLE TOP WHITE GLOBE**—Globular shape, flesh white.

**403—EARLY WHITE FLAT DUTCH STRAP LEAF**—A quick growing white variety.

**404—SOUTHERN PRIZE**—Valued highly for greens; also a nice root.

**405—BUCHANAN'S MIXED TURNIP**—Varieties mixed to last from fall to spring.

**406—EXTRA EARLY WHITE EGG**—A very early, tender and crisp turnip.

**411—PURPLE TOP YELLOW ABERDEEN**—A yellow fleshed late maturing turnip.

**413—AMBER GLOBE OR GOLDEN BALL**—A large green crowned yellow variety.

**418—RUTABAGA—IMPROVED PURPLE TOP YELLOW**—Grows the same shape and size as Purple Top Globe Turnips. Color of skin yellow with purple crown. Flesh deep yellow, fine grain and of excellent quality. It is an excellent keeper. The top is much shorter than most Rutabagas; it has absolutely no neck and is a rapid grower.

### 415 Buchanan's Big 7-Turnip Collection, 35c

The most popular of all turnip collections. This gives every family in the South a full supply of early, medium and late turnips. No other house offers you such a bargain in turnip seed as this. For 35 cents we will send you post paid one ounce each of Extra Early White Egg, Purple or Red Top Strap Leaf, Early White Flat Dutch, Purple or Red Top Globe, Yellow or Amber Globe, Improved American Rutabaga and Seven Top—7 ounces of Turnips, all different, for 35 cents, delivered at your post office. No other varieties will be sold at this price and no changes will be allowed in this collection. If you do not want to plant all this seed this fall, what you hold over is perfectly good for your next spring planting. 7 ounces, 7 Varieties, 35 cents, post paid.

**FOR WHOLESALE PRICES—NOT PREPAID—**  
 See yellow sheet in center of catalogue.

## Planting, Maturity and Weight Table

This is for field planting, and where plants and roots are stated, it is necessary to have them ready beforehand. The third column indicates the distance that the plants should stand in the rows, and where seed is sown they should be thinned out to this distance. The fifth column indicates maturity from the time plants are planted in the field, or seed is sown in the field. Also note that the last column is the approximate weight of seeds and not products. Time of planting and maturity is for latitude of Memphis.

\*Indicates that the crop can either be planted in the Spring or Fall; if in the Spring, February to April; in the Fall, August, September and October.

	Time to Sow or Plant	Distance of Rows Apart	Distance of Plants In Rows	Quantity Per Acre	Ready to Use	Approx. Wgt. of Seeds per bu. in lbs.
Alfalfa	*Feb.-Mch. and Sept.-Oct.	Broadcast	Broadcast	15 to 25 lbs.	June	60
Artichoke—Tubers	Mar. to Apr.	2½ ft.	2 ft.	6 to 8 bu.	Sept. to Oct.	50
Asparagus—Seeds	Mar. to Apr.	15 in.	4 to 6 in.	8 to 10 lbs.	3 years	60
Asparagus—Roots	Feb. to Mar.	6 to 8 ft.	12 to 18 in.	4,000 to 7,000	2 years	.....
Barley	Sept. and Oct.	Broadcast	Broadcast	2 bu.	June	48
Beans—Dwarf	Apr. to Aug.	2½ ft.	4 to 6 in.	1½ bu.	8 weeks	60
Beans—Navy	May to June	2½ ft.	6 in.	¾ to 1 bu.	Winter	60
Beans—Soja	May to June	Broadcast	Broadcast	1 to 1½ bu.	Fall and Winter	60
Beans—Pole	May to June	4 ft.	3 ft.	½ to ¾ bu.	10 weeks	60
Beans—Velvet	Apr. to June	4 ft.	3 ft.	½ bu.	Fall	50
Beets—Table	Feb. to July	12 to 18 in.	4 in.	6 to 8 lbs.	1½ to 3 mo.	19½
Beets—Sugar	Apr. to June	2½ to 3 ft.	6 to 8 in.	5 to 6 lbs.	Fall and Winter	19½
Bermuda Grass	May to Dec.	Broadcast	Broadcast	10 lbs.	.....	.....
Berries	Oct. to Mar.	3 to 4 ft.	12 to 16 in.	.....	.....	.....
Broom Corn	April	36 in.	8 in.	6 lbs.	Aug.	48
Buckwheat	June to Aug.	Broadcast	Broadcast	¾ to 1 bu.	Fall	50
Bulbs	Spring to Fall	.....	.....	.....	.....	.....
Cabbage—Plants (early)	Mar. to Apr.	30 in.	15 to 20 in.	10,000 to 14,000	June and July	54
Cabbage—Plants (late)	July to Aug.	3 ft.	2 ft.	7,260	Fall and Winter	54
Carrot	Mar. to June	1 to 2 ft.	3 to 4 in.	3 to 4 lbs.	45 to 70 days	28
Cauliflower—Plants	Mar. to Apr.	2½ ft.	2 ft.	8,000 to 10,000	3 months	54
Celery—Plants	June to Aug.	3 to 4 ft.	6 to 9 in.	15,000 to 30,000	4 to 5 mo.	37
Clover—Red and Sapling	*Feb. to Oct.	Broadcast	Broadcast	8 to 10 lbs.	June	60
Clover—Alsike	*Feb. to Oct.	Broadcast	Broadcast	5 to 8 lbs.	June	60
Clover—Crimson	July to Oct.	Broadcast	Broadcast	12 to 15 lbs.	June	60
Clover—Sweet	*Feb. to Sept.	Broadcast	Broadcast	20 lbs.	.....	60
Clover—White	Feb. to Sept.	Broadcast	Broadcast	8 lbs.	.....	60
Corn—Garden	Apr. to July	3 to 3½ ft.	9 to 15 in.	4 to 6 qts.	2 to 3 mo.	44 to 50
Corn—Field (drills)	Apr. to July	3½ to 4 ft.	10 to 18 in.	6 to 8 qts.	3 to 4 mo.	56
Corn—Field (checked)	Apr. to July	3½ to 4 ft.	3½ to 4 ft.	4 qts.	3 to 4 mo.	56
Cotton	Apr. to May	36 in.	12 to 15 in.	20 lbs.	Sept.	39
Cucumber	Apr. to July	4 to 5 ft.	4 ft.	2 lbs.	2 to 2½ mo.	39
Egg-Plant—Plants	May to June	3 ft.	2½ to 3 ft.	5,000 to 6,000	60 days	26
Endive	Aug.	18 in.	12 in.	4 to 5 lbs.	2 to 2½ mo.	14
Grass Seeds—Light	*Feb. to Oct.	Broadcast	Broadcast	1½ to 2 bu.	Late Spring	20
Grass Seeds—Lawn	*Feb. to Oct.	Broadcast	Broadcast	80 to 100 lbs.	8 to 10 weeks	.....
Horseradish—Roots	*Feb. to Mar.	2½ ft.	12 to 18 in.	12,000 to 15,000	6 to 8 mo.	56
Kale—Spring	*Feb. to Oct.	Broadcast	Broadcast	6 to 8 lbs.	5 to 6 weeks	54
Kale—Winter	July to Oct.	Broadcast	Broadcast	3 to 4 lbs.	Fall to Spring	56
Kohl Rabi—Plants	Mar. to Apr.	1½ to 2 ft.	10 to 12 in.	21,000 to 34,000	2½ to 3 mo.	25
Lepesdeza	Feb. to June	Broadcast	Broadcast	1 bu.	August	35
Lettuce—Plants	*Mar. to Oct.	12 to 15 in.	6 to 8 in.	40,000 to 80,000	1½ to 2 mo.	32
Melon—Musk	May to July	4 to 6 ft.	4 to 6 ft.	2 lbs.	2½ to 3 mo.	35
Melon—Water	May to June	8 to 10 ft.	3 lbs.	1 bu.	3 months	50
Millet—German	May to Sept.	Broadcast	Broadcast	4 to 5 lbs.	6 to 7 weeks	56
Mustard	*Mar. to Nov.	Broadcast	Broadcast	.....	6 to 8 weeks	.....
Nursery Stock	Oct. to Mar.	15 to 25 ft.	15 to 25 ft.	.....	.....	.....
Oats—Spring	Feb. to Apr.	Broadcast	Broadcast	1½ to 2 bu.	July 1	32
Oats—Winter	*Feb. to Oct.	Broadcast	Broadcast	1½ to 2 bu.	June 20 to July 10	32
Okra	Apr. to May	2½ to 3 ft.	8 to 10 in.	8 to 10 lbs.	60 to 70 days	48
Onions—For large bulbs	Mar. to Apr.	12 to 14 in.	.....	4 to 5 lbs.	July to August	39
Onions—For sets	Feb. to Apr.	10 to 12 in.	.....	40 to 50 lbs.	July	39
Onion Sets	Feb., Mar., Apr.	12 in.	4 in.	15 to 16 bu.	June	32
Parsley	Mar. to Apr.	12 in.	.....	15 lbs.	July	42
Parsnip	Mar. to Apr.	18 in.	4 to 6 in.	5 to 7 lbs.	Fall and Winter	18
Pasture Mixture	*Feb. to Nov.	Broadcast	Broadcast	25 lbs.	.....	.....
Peanuts	Apr. to June	30 in.	15 in.	1 bu.	Oct.	22
Peas—Smooth	Feb. to Mar.	2½ to 3 ft.	.....	1½ to 2 bu.	7 weeks	60
Peas—Wrinkled	Mar. to May	2½ to 3 ft.	.....	1½ to 2 bu.	7 to 9 weeks	56
Peas—Canada Field	Feb. to Apr.	Broadcast	Broadcast	1½ bu.	June 15	60
Peas—Cow	May to Aug.	Broadcast	Broadcast	1½ bu.	3 months	60
Pepper—Plants	May 15	30 in.	15 to 18 in.	11,000 to 14,000	2 to 2½ mo.	28
Potatoes—Early	Mar. to Apr.	27 in.	10 to 12 in.	8 to 12 bu.	June to July	60
Potatoes—Late	July to Aug.	30 in.	15 to 18 in.	8 to 10 bu.	Oct. to Nov.	60
Sweet Potato—Plants	Apr. 10 to July 1	3 ft.	20 to 24 in.	7,000 to 8,000	Sept. to Winter	45
Pumpkin	May	8 to 10 ft.	8 to 10 ft.	2 lbs.	Fall	24
Radish	Feb. to Oct.	10 to 15 in.	3 in.	8 to 10 lbs.	24 to 40 days	56
Rape	*Feb. to Nov.	Broadcast	Broadcast	6 to 8 lbs.	6 to 8 weeks	56
Red Top Grass	Feb. to Sept.	Broadcast	Broadcast	14 to 18 lbs.	.....	30
Rhubarb—Roots	Feb. to Apr.	4 ft.	2 to 3 ft.	5,000 to 7,000	Next Year	.....
Rye	Aug. to Dec.	Broadcast	Broadcast	1 to 2 bu.	.....	56
Salsify	Mar. to Apr.	1½ to 2 ft.	3 to 4 in.	6 to 8 lbs.	Fall and Winter	18
Sorghum	*Apr. to Nov.	36 in.	4 to 10 in.	6 lbs.	Aug.	50
Spinach—Early	*Feb. to Nov.	Broadcast	Broadcast	15 to 20 lbs.	8 weeks	48
Squash—Spring	May	4 ft.	3 ft.	3 lbs.	July	26
Squash—Winter	May to June	6 to 8 ft.	6 to 8 ft.	2 lbs.	Fall and Winter	22
Sudan	Apr. to June	30 in.	Broadcast	20 lbs.	Aug. to Oct.	50
Teosinte	May to June	3 to 3½ ft.	8 to 10 in.	3 to 5 lbs.	Aug. to Oct.	46
Tobacco—Plants	May to June	3 to 3½ ft.	2½ to 3 ft.	4,800 to 5,000	Sept. to Oct.	35
Tomato—Plants	May to July	4 ft.	3 to 4 ft.	2,700 to 3,600	July until frost	20
Turnip	*Feb. to Nov.	Broadcast	Broadcast	1½ to 2 lbs.	1½ to 2 mo.	56
Vetch	Aug. to Oct.	Broadcast	Broadcast	50 lbs.	May	50
Wheat	Oct. to Dec.	Broadcast	Broadcast	1 to 1½ bu.	June 20	60

### DROUGHT WARNING

Owing to the world-wide drought during 1930, I know that many crops of garden and field seeds are a total failure and many stocks will be exhausted early.

I urge my friends and customers to place their orders now for the seeds they will need for planting the 1931 crop.

R. B. BUCHANAN.



## FLOWER SEED PLANTING TABLE

This table is for middle South climate and conditions. Allowances must be made. It is only a general guide. Abbreviations: T, tender; H, hardy; H H, half-hardy; A, annual; B, biennial; P, perennial. Months are numbered; 1, January; 2, February; etc.

NAME	Height of Plant	Shade of Plant	Color of Flowers	Good Cut Flowers	Best Use	Location Sun-Shady	Months to Plant	Months to Transplant	Blooming Months
Abronia, HHA	6-9 in.	trailing	yellow, pink	no.	edging	sunny	4-5	thin	6-10
Abutilon, TP	36-48 in.	bushy	many	no.	potting	shady	3-4	4-5	5-11
Ageratum, HHA	8-24 in.	bushy	blue, white	yes	bedding	sunny	1-4	4-5	6-11
Allysum, HHA	2-12 in.	spreading	white	fair	edging	sunny	3-4	thin	5-11
Amaranthus, TA	24-60 in.	bushy	reds	fair	bedding	sunny	3-5	4-5	6-10
Anagallis, A	8-15 in.	bushy	many	yes	bedding	sunny	3-5	thin	6-10
Antirrhinum, HA	18-24 in.	bushy	many	yes	bedding	any	3-5	4-5	6-10
Aquilegia, HP	24-48 in.	branchy	several	yes	borders	any	8-9	10-11	5-6
Asters, A	12-30 in.	bushy	many	yes	bedding	any	1-6	4-5	6-11
Balloon Vine, A	8-10 ft.	vine	white	no.	shade	sunny	4-5	thin	6-10
Balsam, A	18-30 in.	erect	many	fair	border	sunny	3-5	4-5	6-10
Balsam Apple, A	15 ft.	vine	orange fr.	no.	novelty	sunny	4-5	thin	6-10
Cacalia, A	15-20 in.	bushy	reds	yes	border	sunny	3-4	thin	5-9
Calendula, HA	12-36 in.	bushy	yellow	yes	bedding	sunny	1-4	3-5	6-11
Calliopsis, HA	12-36 in.	bushy	yellow	yes	bedding	sunny	3-4	thin	6-10
Candytuft, HA	12-18 in.	bushy	many	yes	bedding	sunny	3-4	thin	6-9
Canna, TP	30-72 in.	erect	many	no.	bedding	sunny	2-3	4-5	7-11
Canterbury Bells, B	18-42 in.	bushy	many	fair	border	sunny	3-9	4-5	6-7
Carnation, P	18-36 in.	bushy	many	yes	bedding	sunny	2-3	4-5	6-10
Celosia, HHA	24-36 in.	bushy	red, yellow	fair	bedding	sunny	3-5	thin	6-11
Centurea, HA	24-36 in.	erect	many	yes	bedding	sunny	2-5	thin	6-9
Chrysanthemum, A	21-36 in.	bushy	several	yes	bedding	sunny	3-5	thin	7-11
Clarkia, HA	15-30 in.	bushy	several	yes	border	any	3-5	thin	6-10
Cleome, HA	36-48 in.	branchy	pink, white	yes	border	sunny	4-5	thin	7-11
Cobea Scandens, P	15-30 ft.	vine	purple	no.	climbing	sunny	3-5	4-5	6-8
Coleus, TA	12-24 in.	bushy	white	no.	bedding	sunny	2-3	4-5	for lvs
Cosmidium, A	18-30 in.	bushy	yellow	yes	bedding	sunny	4-5	thin	6-10
Cosmos, A	48-72 in.	bushy	several	yes	bedding	sunny	4-5	thin	7-11
Cyclamen, TP	8-12 in.	bushy	many	no.	potting	indoors	9-3	twice	1 year
Cynoglossum, P	18-24 in.	bushy	blue	yes	border	sunny	3, 8	4-5, 10	5-7
Cypress Vine, TA	10-18 ft.	vine	red, white	no.	climbing	sunny	4-5	thin	6-11
Dahlia, TP	36-72 in.	bushy	many	yes	bedding	sunny	2-3	4-5	7-11
Daisy, HP	10-30 in.	bushy	white, pink	yes	edging	any	2-3, 8	3-4, 10	5-10
Delphinium, P	36-60 in.	tall	blues	yes	borders	sunny	1-3, 8	3-4, 10	5-7, 10
Dianthus, HA	12-15 in.	bushy	many	yes	bedding	sunny	3-5	thin	5-11
Didiscus, TA	24-36 in.	slender	blue	yes	cutting	shady	2-3	4-5	6-11
Digitalis, B	30-48 in.	erect	many	yes	border	shady	2-3, 8	3-4, 10	5-7
Dolichos, TA	10 ft.	vine	several	no.	climbing	sunny	4-5	thin	6-8
Eschscholtzia, A	10-12 in.	bushy	several	yes	bedding	sunny	3-5	thin	6-9
Flax, Scarlet, HA	12-18 in.	clump	red	no.	bedding	sunny	3-4	thin	5-10
Forget-Me-Not, TP	8-12 in.	bushy	blue, white	yes	edging	shady	3-4	thin	4-5, 10
Four O'Clock, HA	24-30 in.	bushy	many	no.	border	sunny	3-4	4-5	8-11
Gaillardia, P	18-30 in.	bushy	red, gold	yes	bedding	sunny	2-4	4-5	6-11
Gilia, A	24-36 in.	bushy	blue	yes	bedding	sunny	3-5	thin	6-10
Globe Amaranth, TA	12-18 in.	bushy	purple, white	yes	bedding	sunny	4-5	thin	7-10
Godetia, A	12-18 in.	erect	many	yes	border	any	3-5	thin	6-10
Gypsophila, A	18-24 in.	branchy	white	yes	border	sunny	4-5	thin	6 wks.
Helicrysum, HA	24-36 in.	bushy	many	yes	bedding	sunny	2-4	4-5	6-10
Heliotrope, TP	18-24 in.	bushy	several	fair	bedding	shady	2-5	4-5	5-11
Hibiscus, TP	24-60 in.	branchy	several	fair	specimen	sunny	3-4	thin	6-9
Hollyhock, P	5-8 ft.	slender	many	yes	border	moist	2-3, 8	3-4, 10	6-9
Hop, Japanese, TP	10-20 ft.	vine	var. lvs	no.	shade	sunny	4-5	thin	var. lvs
Hunnemannia, A	24 in.	bushy	yellow	yes	border	sunny	4-5	thin	9-10
Ice Plant, TA	24-36 in.	trailer	several	no.	edging	sunny	4-5	thin	5-11
Ivy, Kenilworth, HP	36 in.	trailer	lilac	no.	trailing	any	3, 8	4, 10	various
Kochia, TA	36 in.	bushy	red	no.	border	sunny	3-4	thin	9-11
Kudzu, P	50 ft.	vine	purple	no.	shade	any	3-4	4-5	4-5
Lantana, A	24-36 in.	branchy	several	yes	bedding	sunny	2-4	4-5	6-10
Larkspur, A	36-48 in.	tall	many	yes	bedding	sunny	3-5	thin	6-10
Lathyrus, P	6-12 ft.	vine	pink, white	yes	blanket	sunny	1-4	3-4	6-10
Lobelia, TA	6-8 in.	bushy	blue	fair	edging	shady	3-4	3-5	6-10
Lupine, HA	24-30 in.	erect	several	yes	border	shady	4-5	thin	6-9
Marigold, HA	8-30 in.	bushy	yellow	yes	bedding	sunny	3-5	4-5	6-11
Matricaria, HHP	18-24 in.	bushy	white	yes	bedding	sunny	3-4	thin	7-11
Mignonette, TA	10-12 in.	erect	several	yes	edging	sunny	4-5	thin	6-8
Mimulus, TP	12 in.	trailing	many	no.	border	shady	3-4	4-5	6-8
Morning Glory, A	20-50 ft.	vine	many	no.	shade	sunny	3-5	thin	6-11
Nasturtium, A	12 in. 8 ft.	bush, vine	many	yes	edging	sunny	4-6	thin	5-11
Nicotiana, TA	30-42 in.	branchy	several	yes	border	sunny	3-5	5	6-8
Nigella, HA	18-24 in.	bushy	blue white	yes	border	sunny	3-5	thin	6-8
Oenothera, A	36-48 in.	bushy	yellow	no	border	sunny	3-4	thin	5-9
Oxalis, A	4-6 in.	bushy	several	no	edging	sunny	3-5	thin	6-11
Pansy, HA	4-6 in.	clump	many	yes	edging	any	1-3, 9	3-4, 10	4-6, 10
Passion Flower, A	15 ft.	vine	blue	no.	climbing	any	2-3	4-5	6-10
Petunia, HA	18-24 in.	bushy	many	fair	bedding	any	2-5	4-5	5-10
Phlox, HHA	12-18 in.	bushy	many	yes	bedding	sunny	3-5	thin	6-9
Poppy, HA	24-60 in.	erect	many	yes	bedding	sunny	1-4	thin	6-9
Portulaca, TA	4-6 in.	spready	many	no.	edging	sunny	4-5	thin	6-10
Ricinus, TA	5-10 ft.	branchy	bronzelvs	no.	massing	sunny	4-5	thin	big lvs.
Salpiglossis, HHA	18-30 in.	bushy	many	yes	border	any	3-5	4-5	6-11
Salvia, A	24-42 in.	bushy	red, blue	yes	bedding	sunny	3-5	4-5	6-11
Scabiosa, HA	24-30 in.	bushy	many	yes	bedding	sunny	3-5	4-5	6-11
Scarlet Runner, A	10-12 ft.	vine	red	no.	climbing	sunny	4-5	thin	6-10
Stocks, A	24-30 in.	bushy	many	yes	bedding	sunny	3-5	4-5	6-8
Sunflower, A	48-72 in.	erect	yellow	yes	borders	sunny	4-5	thin	7-8
Sweet Pea, HA	4-8 ft.	vine	many	yes	cutting	sunny	12-3	thin	3-6
Sweet William, B	12-24 in.	bushy	many	yes	bedding	sunny	1-4	3-4	5-6
Verbena, HHP	6-10 in.	spready	many	yes	edging	sunny	2-5	3-5	6-10
Vinca, A	15-18 in.	bushy	pink, white	fair	bedding	sunny	2-5	4-5	6-11
Wallflower, HHP	12-18 in.	bushy	many	yes	bedding	sunny	3-5	4-5	6-7
Zinnia, HHA	24-36 in.	bushy	many	yes	bedding	sunny	3-5	4-6	6-11

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Owing to the world-wide drought during 1930, I know that many crops of garden and field seeds are a total failure and many stocks will be exhausted before long.

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R. B. BUCHANAN.



Buchanan's California Grown Spencer Sweet Peas

CULTURE—Sow in January, February, March or April. Cover seed 2 to 4 inches, according to depth of your trench. The soil for Sweet Peas should be rich and deep, with Pulverized Sheep Manure in it. On high and dry soils they may be sown in drills from 4 to 6 inches deep, covered with an inch or two of soil pressed firmly, and the furrow filled in as the plants grow. When the seed is well above the ground, the little plants should be thinned out so as to be at least from 2 to 4 inches apart.

All Prices on this Page Post Paid All 10c Pkts. 3 for 25c		Pk.	Oz.	1/4 Lb.	1 Lb.
850	WHITE (King White). Remarkable for the glistening purity of the whiteness and the perfect finish of the flower. Of gigantic proportions. Strong and very free-flowering. It is the finest white-seeded white variety, altogether free from any color. Of exquisite form and texture.....	10	.25	.75	2.00
851	DEEP PINK (Hercules). This is a magnificent deep rose-pink. The standard is of enormous size. The whole flower is of excellent form.....	10	.25	.75	2.00
852	BLUE (Wedgewood). The flowers are a bright delphinium blue. They are very large, of heavy substance, and beautifully waved; borne with the greatest freedom invariably in fours on a stem of great length.....	10	.25	.75	2.00
853	DEEP CERISE (Fiery Cross). The standard is a scorching deep cherry red with an orange-scarlet suffusion. The wings are a rich cherry orange, harmonizing with the standard.....	10	.25	.75	2.00
854	LAVENDER (Florence Nightingale). A soft, clean, rich lavender, enlivened by a faint sheen of rose pink. Of large size, well formed and free blooming.....	10	.25	.75	2.00
855	MAROON (Warrior). The color is a rich reddish maroon flushed with bronze. Lovers of dark shades will appreciate this fine color. A strong grower and free bloomer, with large well-waved blooms.....	10	.25	.75	2.00
856	SALMON (Helen Lewis). A rich apricot pink or salmon colored flower; large, long stemmed flowers.....	10	.25	.75	2.00
857	CREAM (Dobbie's Cream). A strong growing, cream or primrose. A profuse blooming variety, with large, much-waved flowers.....	10	.25	.75	2.00
875	MIXED (Buck Brand Spencer Mixed). A splendid mixture of Spencer named varieties that will afford a variety of blooms of improved forms and in the widest possible range of desirable colors.....	10	.25	.65	1.75
876	BUCHANAN'S UNRIVALLED MIXTURE SPENCER VARIETIES. This mixture contains a fine selection of the largest and most attractive named varieties, including many of the newest novelties.....	15	.35	.95	3.00



Spencer Sweet Peas

10

880 Buchanan's Collection of Buck Brand Spencer Sweet Peas, full size 10c packets of 10 separate colors, post paid.....

75c

EARLY OR WINTER FLOWERING SPENCER SWEET PEA—A new race of Sweet Peas, having the large-waved flowers of the Spencer type, but flowering fully one month earlier; they also continue to flower for a much longer period. Excellent for greenhouse planting.		Pk.	Oz.	1/4 Lb.
825	WHITE (Improved Snowstorm). This is by far the finest of all white winter flowering varieties. The flowers are extra large and of fine form.....	.25	.50	1.75
826	CRIMSON (Grenadier). The color is rich, poppy-scarlet. The flowers are borne on long stems.....	.25	.50	1.75
827	LAVENDER (Harmony). A very beautiful clear lavender of vigorous growth; free blooming.....	.25	.50	1.75
828	BICOLOR (Columbia). The standard is a rich rose-pink; wings a fine delicate creamy rose.....	.25	.50	1.75
829	ROSE (Zvolanek's Rose). A giant rose pink. The flowers are of largest size and usually borne in fours.....	.25	.50	1.75
830	BLUE (Bluebird). This is a charming shade of blue, somewhat similar to Wedgewood.....	.25	.50	1.75
831	ORANGE-SCARLET (Glitters). The standard is a bright fiery orange, and the wings are deep orange. Very beautiful.....	.25	.50	1.75
832	MIXED. This is a carefully composed blend of the finest of the many named varieties of Early Flowering Spencers.....	.25	.50	1.75
834	BUCHANAN'S COLLECTION OF EARLY OR WINTER FLOWERING SPENCER SWEET PEAS. One packet each of seven separate colors.....			\$1.50

All Seeds listed on this page are delivered transportation paid in the U.S. or possessions. ORDER EARLY.



## FLOWER SEEDS

### Buchanan's California-Grown Flower Seeds

CULTURAL DIRECTIONS are printed on the packets. By following them almost any person will have fair success in the culture of flowers. While some seeds need special treatment, the following general rules will apply to all: Make the surface of the soil as fine, smooth and level as possible; do not plant when the ground is wet; cover each lot of seeds to a uniform depth, which should not be more than four or six times the diameter of the seed; press the soil firmly over the seed; plant in rows so that the starting plants can be seen easily, thin out the young plants to prevent crowding and keep entirely free from weeds. Never allow the seedlings to suffer from drouth.

We devote the next 12 pages of this catalogue to flower seed, and want you to know that our flower seed are grown in California by a grower who has had a generation of experience—grows more than 1000 acres in flowers, and was awarded a gold medal on Dahlia Flowered Zinnias by the Royal Horticultural Society of England at their London Show in 1924.

We give the same careful attention to flower seed as to vegetable and field seed and after 19 years' experience, believe that there is no finer flower seed grown than those offered here—pay particular attention to pages on Zinnias.

**500-A ABRONIA (Sand Verbena).** A charming trailing plant with verbena like heads of fragrant flowers of bright rose with white center. It delights in a dry, poor soil and sunny locations. Pkt., 10c; oz., \$1.00.



Snap Dragon (Antirrhinum)

All Prices on this Page Post Paid  
All 10c Pkts. 3 for 25c

	Pkt.	Oz.
<b>500 ADONIS (Aestivalis, Flos Adonis, One Foot).</b> Pretty little plant with feathery, fresh green foliage, dotted with innumerable small blood-red flowers.....	10	.50
<b>AGERATUM.</b> One of the best summer-blooming plants. They are rapid growers and constant bloomers. During the hot, dry summer months their bright flowers are produced in the greatest profusion of charming blue or white flowers.		
<b>501 LITTLE GEM (Blue)</b> .....	10	.60
<b>502 MIXED</b> .....	10	.50
<b>504 LITTLE GEM ALYSSUM.</b> The finest white variety having large flowers. Very fragrant.....	10	.75
<b>505 SWEET ALYSSUM.</b> The regular type, strong grower, free bloomer.....	10	.40
<b>503 SAXATILE COMPACTUM.</b> Yellow.....	15	1.25
<b>508 AMARANTHUS (Mixed).</b> Brilliant foliage plant. Useful for bedding.....	10	1.00
<b>508A CAUDATUS (Love Lies Bleeding).</b> Three foot with drooping red spikes.....	10	.25
<b>ANTIRRHINUM (Snap Dragon).</b> Beautiful spikes of gaily colored flowers. They are one of the best cut flowers which can be grown from seed, while for beds or borders they are a pleasure, being in flowers all the time if placed in a sunny position.		
		$\frac{1}{4}$ Oz.
<b>TALL FLOWERING VARIETIES</b>		
<b>510 BUTTERFLY, STRIPED</b> .....	10	.50
<b>511 GOLDEN KING (Yellow)</b> .....	10	.50
<b>512 VENUS (Pink and White)</b> .....	10	.50
<b>513 ROSE QUEEN (Rose Pink)</b> .....	10	.50
<b>514 FIREFLY (Scarlet)</b> .....	10	.50
<b>517 Buchanan's Collection of Tall Flowering Antirrhinum (Snap Dragon).</b> One packet each of five separate colors..40c		
<b>ANTIRRHINUM MIXED</b>		
<b>515 TALL MIXED</b> .....	10	.40
<b>515A SILVER PINK.</b> Pearly pink self.....	10	.50
<b>516 DWARF MIXED</b> .....	10	.40
<b>AQUILEGIA (Columbine)</b>		
<b>520 SINGLE (Finest Mixed)</b> .....	10	.50
<b>521 DOUBLE (Finest Mixed)</b> .....	10	.50

Seeds listed on this page are delivered transportation paid in the U. S. or possessions. **ORDER EARLY.**



## BUCK BRAND TESTED SEEDS

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All 10c Pkts. 3 for 25c

		PAK.	1/4 Oz.
<b>ASTERS.</b> This has become one of the most popular, beautiful and effective garden plants, growing from 10 to 24 inches high. Sow the seed early in the spring, under glass or in pots, in the house, and transplant into rich soil.			
<b>GIANT COMET ASTER.</b> Flowers of immense size, often 6 inches across. Long, wavy, twisted petals, gracefully formed into loose yet dense globe, resembling Chrysanthemums, 12 to 16 inches in height.			
522 PURPLE	525 LIGHT BLUE		
523 PURE WHITE	526 SCARLET		
524 CLEAR ROSE	533 LAVENDER		
Price, any of the above varieties.....		10	.65
<b>532 BUCHANAN'S COLLECTION OF GIANT COMET ASTERS.</b> One packet each of six separate colors, lavender, light blue, purple, white, rose, scarlet.....			
			50c
527 GIANT COMET MIXED.....		10	.50
528 ASTER (Peony Flowered). Large and double mixed.....		10	.75
529 ASTER (Victoria). Imbricated petals; large flowers.....		10	.75
530 ASTER (China, Mixed). Well known, hardy variety.....		10	1.00
531 IMPROVED BRANCHING. Large flowers; mixed.....		10	.75
<b>BACHELOR'S BUTTON (Gomphrena).</b> Bushy plants, about 2 feet high. The flowers are useful for dried winter bouquets. If cut before they are fully ripe and allowed to dry in a dark, airy room, they will retain their color the whole winter season.			
534 Mixed Colors.....		10	.25
<b>536 BALLOON VINE.</b> A rapidly-growing annual climber, with white flowers and inflated seed pods which look like small balloons. Succeeds best in warm soil; 10 feet.....			
		10	.15
<b>BALSAM (Touch-Me-Not).</b>			
537 BALSAM (Camellia Flowered Mixed).....		10	.25
538 BALSAM APPLE.....		10	.25
539 BALSAM (Pear).....		10	.25
<b>540 BEANS (Scarlet Runner).</b> 15 feet. This bean produces a rapid growing vine and makes clusters of showy scarlet bloom...			
		10	.15
<b>BELLIS (English Daisy).</b> It blooms from early spring to well on in the summer. Easily raised from seed, which may be sown any time from spring till August. For best results new plants should be raised from seed each year.			
541 Double Mixed.....		10	1.00
<b>544 BRACHYCOME (Swan River Daisy).</b> Dwarf annuals, which bloom nearly all summer. Suitable for baskets and edgings.			
Mixed Colors.....		10	.30
<b>543 CHILDSII (Chinese Wool Flower).</b> Finest mixed. Plants grow 2 to 3 feet. A very distinct form of the feathered cockscomb, with large woolly silky flower heads, very decorative for borders			
		10	.65
<b>CALENDULA (Pot Marigold).</b> Calendulas bloom all summer and thrive anywhere, especially in city gardens. The graceful, star-shaped flowers exhibit every shade of yellow from ivory to deep orange. Well adapted for cutting, being borne upon long stems.			
545 Mixed. All the double sorts.....		10	.25
<b>CALLIOPSIS.</b> Showy, beautiful, free-blooming plants, producing large, bright flowers of rich and charming colors throughout the entire summer. Mainly hardy annuals; 1 to 2 feet high.			
546 Best Mixed.....		10	.25

**756 WILD FLOWER GARDEN MIXTURE.** This Wild Flower Garden is a mixture of a great many varieties which will bloom throughout the season and provide many beautiful bouquets. The children would be especially interested in such a garden as they can pick a great many different kinds of flowers.

Prepare the soil well and sow the seed very thinly so as to give the plants a chance to develop properly.  
Price, pkt. 10c; oz. 25c; 1/4 lb. 75c; lb. \$2.50.

**860 BUCK BRAND FLOWER SEED COLLECTION.** For 50c we will send you, postpaid, to any P. O. in the U. S., the following 12 packets of flower seed: Alyssum, Sweet; Pink, Mixed; Morning Glory, Mixed; Petunia, Mixed; Candytuft, Mixed; Four o'Clock, Mixed; Sweet Peas, Mixed; Nasturtiums, Tall; Phlox, Mixed; Cosmos, Mixed; Gourds, Mixed; Pansy, Mixed.

12 10c Size Packets, postpaid, for 50 cents.



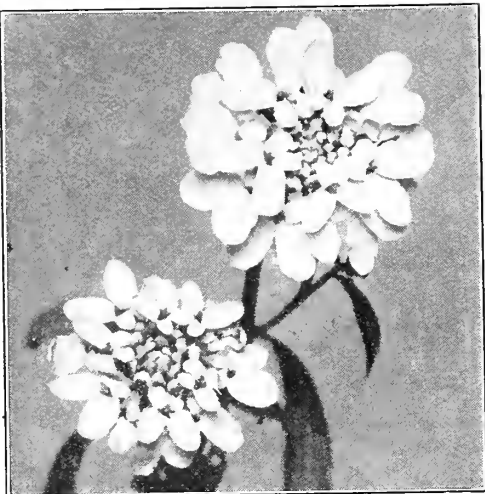
Comet Asters



Balsam



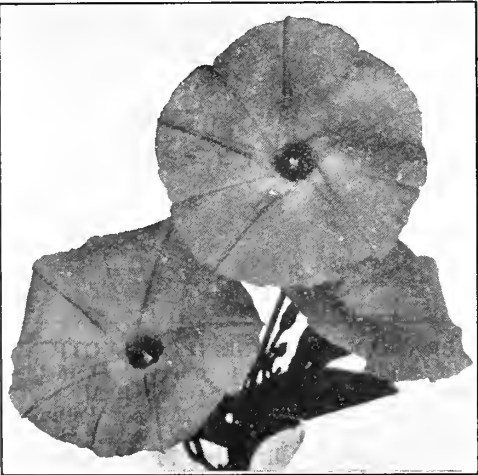
Calliopsis



Candytuft



Canterbury Bell



Morning Glories

All Prices on this Page Post Paid All 10c Pkts. 3 for 25c		Pkt.	1/4 Oz.
547	CANARY BIRD VINE. Grows to a height of 15 feet. Has beautiful foliage and yellow flowers.....	10	....
CANDYTUFT. A dwarf annual of easiest culture; free-blooming, showy, and useful for beds, borders and edgings. Sow seeds where plants are to bloom, in rows 6 or 8 inches apart, thinning out to afford plenty of room, as they branch quite freely. Height 1 ft.			
548	Mixed .....	10	.25
CANNAS (Indian Shot). These very attractive summer bedding plants can be grown readily from seed. The seed is extremely hard and should be soaked in warm water until swollen. Sow singly in small pots of sandy soil and set in a warm place, preferably a hotbed or sunny window. Set out in June where they are to flower.			
549	Large-Flowered Mixed .....	10	....
CANTERBURY BELL. Handsome, hardy biennial of stately growth, rich color and profuse bloom. Has large bell-shaped flowers, are effective in various colors. Height 2 to 4 feet.			
550	Mixed .....	10	.75
551	CARDINAL CLIMBER. A new and brilliant colored annual climber. Flowers glowing scarlet. 1 1/2 inches in diameter, the tube being 1 1/4 inches in length. Vines attaining a height of from 20 to 30 feet.....	10	.60
CARNATION. Although half-hardy perennials, they begin flowering in a few weeks from time of sowing. They are especially adapted for outdoor culture.			
552	Margaret—Giant Mixed. Immense double flowers.....	10	1.00
552A	Giant Cardinal Red.....	10	1.25
CELOSIA (Cockscomb). 1 foot. Of easy culture. Thrives in light soil. Fine border plants, in bloom from mid-summer until frost. When grown as large specimens they are of unrivaled beauty. For filling flower beds and borders these plants are now largely used during summer in city parks.			
555	Tall Cockscomb, Mixed.....	10	.50
556	Dwarf Cockscomb, Mixed.....	10	.75
CINERARIA HYBRIDA. A decorative and ornamental plant for winter decorations.			
559	Choice Mixed .....	25	6.00
CHRYSANTHEMUM. Very showy and easily grown, producing single and double flowers of various colors.			
560	Single Mixed. Fine for cutting and makes a pretty display in the garden.....	10	.40
561	Double Mixed. Many colors, red, white, yellow, pink and rose.....	10	.50
562	COBEA SCANDENS (Cup and Saucer Vine). A climber of rapid growth; valuable for covering trellises, arbors, trunks of trees, etc.; large.		
	Mixed .....	10	.25
COLEUS. Plants with richly colored foliage of maroon, green, crimson, yellow, etc. For groups on lawns, and ribboning, they are indispensable, and also valuable for pot culture.			
563	Choice Mixed .....	10	....
CONVOLVULUS (Morning Glory). Thrives anywhere. Showy flowers in a variety of colors. Sow where plants are to bloom.			
564	Major (Pink).....	10	.20
565	Major (Blue).....	10	.20
566	Major (Rose).....	10	.20
567	Major (Crimson).....	10	.20
568	Major (Mixed).....	10	.20
570	Major (Double Mixed).....	10	.20
569	Japanese Mixed. New improved Japanese Convolvulus flowers measuring from 4 to 5 inches across; great variety of colors.....	10	.20
CORNFLOWER. A graceful, old-fashioned plant, which blooms freely throughout the entire summer and usually re-seeds itself. They will grow in most any soil, and are in great demand as cut flowers.			
572	Double Blue.....	10	.25
573	Double Mixed.....	10	.25
573A	PINK SHADES (Double Pink).....	10	.25



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	Pkt.	¼ Oz.
574 COREOPSIS. Hardy, easily grown perennial, 2 ft. high Producing large bright yellow flowers in great profusion. Choice Mixed.....	.10	.25
COSMOS (Giant). Flowers measure from 4½ to 5 inches across, petals fringed, pinked, toothed and plain, and in colors from pure white through shades of pink and red to rich dark red.		
575 Giant White (Early).....	.10	.25
575A Giant White (Late).....	.10	.20
576 Giant Crimson (Early).....	.10	.25
576A Giant Crimson (Late).....	.10	.20
577 Giant Pink (Early).....	.10	.25
577A Giant Pink (Late).....	.10	.20
578 Klondyke (Late). Orange shade.....	.10	.50
579 Giant Mixed (Late).....	.10	.20
580 Giant Early Flowering. Mixed.....	.10	.25
DOUBLE CRESTED OR ANEMONE FLOWERED (Late). These differ from the other Cosmos in the formation of the center of the flower. This develops a crown or crest like an anemone. The guard petals remain the same.		
581 Pink Beauty 581A Crimson King.....	.15	.60
581B White Queen 581C Choice Mixed.....	.15	.60
585 WILD CUCUMBER. It will reach a height of 30 feet in one season. It is thickly dotted over with pretty, white, fragrant flowers, followed by quantities of ornamental seed pods.....	.10	....
586 CYPRESS VINE. 15 feet; rapid growing climber; fine for trellis; star-like red and white flowers and feathery foliage....	.10	.20
CLARKIA. 2 ft. A popular summer annual, can be grown in ordinary soil.		
587 Apple Blossom. Double Pink.....	.15	.35
587A Salmon Queen. Double Salmon.....	.15	.35
587B Scarlet Queen. Double Orange Scarlet.....	.15	.35
587C Choice Mixed.....	.15	....
DAHLIA. A favorite for autumn flowering, blooming the first season from seed if started early. The flowers are so symmetrical and perfect and the range of colors so wide and varied that they will always be popular where display is wanted.		
588 Finest Single Mixed. Will produce brilliant flowers running through a wide range of striking colors.....	.10	.50
589 Finest Double Mixed. Seeds saved from choicest double flowers, including shades of red, pink, dark maroon, yellow, white, etc.....	.10	1.00
590 Cactus—Mixed.....	.10	1.00
(See Page 55 for Dahlia Bulbs)		
593 DAISY (Shasta). Flowers snowy white with yellow center; freely produced on strong, wiry stems, about 2 feet in length..	.10	.75
594 Double Mixed.....	.10	.75
599 DIDISCUS COERULEUS (Blue Lace Flower). Grows 2 ft. high, long stems, produces lavender flowers. Constant bloomer.....	.10	.50
DELPHINIUM (Hardy Perennial Larkspur). Among the best plants for mixed borders. Perennial Larkspurs grow better than annual varieties; they should be planted further apart.		
600 Single Mixed. 601 Double Mixed.....	.10	.75
DIANTHUS OR PINKS. An old favorite which blooms constantly all summer. The flowers are brilliantly colored and very fragrant.		
602 Heddewegi (Japanese Pinks). Large double flowers with brilliant colorings. They bloom from June until frost.....	.10	.25
603 Chinese—Double Mixed 604 Chinese—Single Mixed..	.10	.25
ESCHSCHOLTZIA (California Poppy). A hardy free-flowering annual, growing about 15 inches high and producing quantities of single, poppy-shaped blooms in shades of yellow, orange and red. Flowers over a long period.		
606A Dainty Queen. Coral Pink.....	.15	.50
606B The Geisha. Orange Crimson.....	.15	.50
606C Scarlet Beauty.....	.15	.50
606D Purple Glow.....	.15	.50
606 Mixed.....	.10	.35
610 FORGET-ME-NOT. A pretty little old-fashioned perennial, producing its flowers in early summer. Quite hardy once it is established; flowers blue.....	.10	.35
610A CYNOGLOSSUM. Amabile (Chinese Forget-Me-Not) Blue flowers.....	.15	.50
FOUR O'CLOCK (Marvel of Peru). A handsome, free-flowering plant. They open their blossoms about 4 o'clock in the afternoon, hence their name.		
612 Mixed.....	.10	....



Cosmos



Dianthus or Pinks



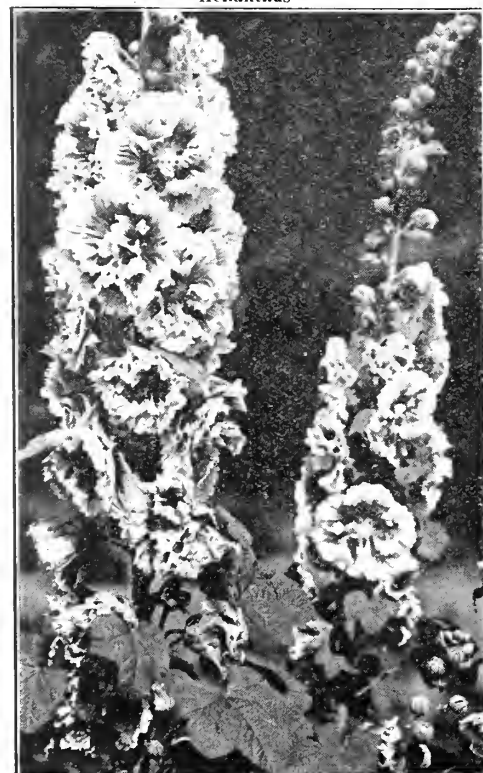
Double Dahlia



Gaillardia



Helianthus



Hollyhocks

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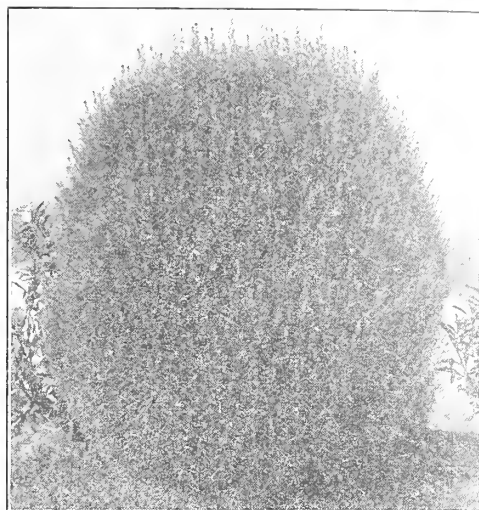
	Pkt.	¼ Oz.
FOXGLOVE ( <i>Digitalis</i> ). Grows to the height of 3 or 4 feet, with dense spikes of brilliantly colored flowers which are terminal and half as long as height of plant.		
613 Mixed.....	10	.50
615 GAILLARDIA (Blanket Flower)—Remarkable for the profusion, size and brilliancy of their flowers. Continuing in bloom from early summer till November; excellent for beds, borders or for cutting; should be sown where they are to bloom; 1½ feet. Fine colors, mixed.....	10	.35
616 GERBERA (Transvaal Daisy). Mixed.....	10	....
GERANIUM. Grows 1 to 2 ft. high. These grow readily from seed the first year and produce blooming plants the first summer.		
618 Choice Mixed.....	15	1.00
617 GODETIA. Sow in the open ground in the early spring. They are profuse and constant bloomers, and their delicate tints of crimson, rose-pink and white make them very attractive when in full bloom. Half dwarf varieties mixed.....	10	.35
GILIA (Blue Thimble Flower). Beautiful bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender blue flowers.		
619 Choice Mixed.....	10	.25
GOMPHRENA (Globe Amaranth). A desirable everlasting, valued for its handsome, globular heads of flowers which can be dried and used in winter bouquets.		
620 Mixed.....	10	.25
GOURDS. A tribe of climbers with curiously shaped and colored fruit. Being of rapid growth they are fine to cover old fences, trellises, stumps, etc.		
628 Mixed.....	10	.20
GYPSOPHILA (Baby's Breath). Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases.		
630 Elegans Grandiflora Alba, Annual White.....	10	.25
630A Paniculata, Perennial White.....	10	.25
631 Elegans Mixed, Annual.....	10	.25
631A Elegans Rosea, Annual Soft Pink.....	10	.25
HELIANTHUS (Sunflower)—3 to 6 feet. The state flower of Kansas. Of easiest culture. Suitable for backgrounds, screens and to plant among shrubbery. In bloom from June until frost.		
632 Dwarf Mixed.....	10	.20
634 Stella (Miniature Sunflower). Plants grow 3 feet high with many spreading branches. Their large single golden-yellow flowers with black centers are excellent for cutting.....	10	.35
HELICHRYSUM (Straw Flower). Bright, attractive summer blooming annual, of free growth, producing in abundance large double red, white, yellow flowers.		
635 Mixed.....	10	.15
635A Canary Yellow.....	10	.25
635B Violet Queen.....	10	.25
635C Fireball, Bright Scarlet.....	10	.25
635D Rose Queen.....	10	.25
HELIOTROPE. Always popular on account of its delightful fragrance. The seed is rather slow in starting and had best be sown in boxes or in a hotbed. While it is a perennial, it will not stand any frost and is therefore started afresh each year, unless one cares to remove the plants to the house before frost comes. Can be started from cuttings.		
636 Mixed.....	10	.50
HOLLYHOCK. Grand summer and autumn flowering plants, bearing long spikes of double flowers, 3 to 4 inches across. They are old inhabitants of our gardens, but are now so improved in doubleness and enlarged in size, under our special culture and hybridization, as to be revelations of gorgeous beauty to those who have not seen these improved sorts.		
637 Single Mixed.....	10	.90
638 Double Mixed.....	10	.90
639 Double, Yellow.....	10	.90
640 Double, Red.....	10	.90
641 Double, White.....	10	.90
642 Double, Pink.....	10	.90
643 Buchanan's Collection Hollyhocks. One packet each of three separate colors.....	25c	



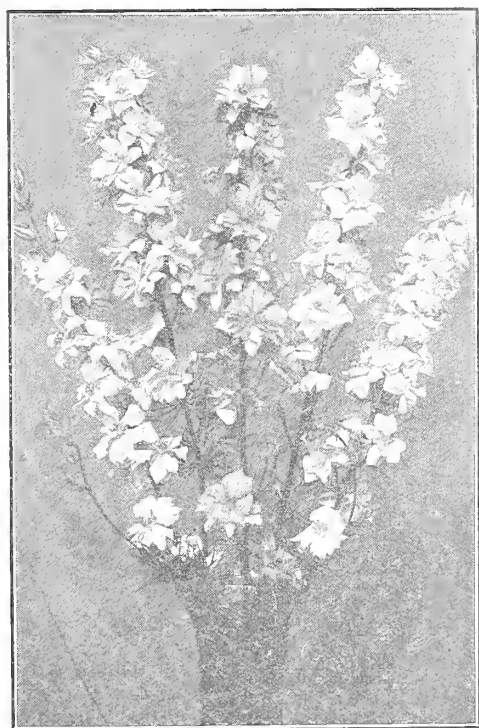
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Pkt.  $\frac{1}{4}$   
Oz.

644	<b>HUMULUS (Japanese Hop Plant).</b> Climber; 12 feet; grows very rapidly. Has dense leaves; is valuable for covering trellis or porch.....	.10	.25
	<b>HYACINTH BEAN.</b> Annual climbers, of rapid growth, 10 feet high, with wistaria-like clusters of flowers, followed by bronzy-purple seed pods.		
645	<b>Purple.</b> Attractive rose-violet flowers with dark ruby-purple seed pods.....	.10	.15
646	<b>Mixed</b> .....	.10	.15
649	<b>ICE PLANT.</b> A simple trailing plant. Covered with watery vesicles resembling pieces of ice. Suitable for hanging baskets	.10	.35
650	<b>IVY.</b> A climbing vine used mostly on brick walls and brick buildings.....	.10	.20
652	<b>KUDZU VINE (Jack-and-the-Bean-Stalk).</b> Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful strong growth.....	.10	.25
651	<b>JOB'S TEARS—A—2 feet.</b> Broad corn-like leaves and hardy, shiny seeds.....	.10	.15
653	<b>KOCHIA—Mexican Fire Plant or Summer Cypress.</b> Makes a pyramidal-shaped, cypress-like bush with feathery light-green foliage, deepening until it becomes a lovely crimson hue about September. Excellent for hedges along garden walks.....	.10	.15
	<b>LANTANA.</b> Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer, remains in bloom late in autumn. They have an agreeable aromatic perfume.		
654	<b>Dwarf Hybrids—Mixed</b> .....	.10	.35
	<b>LARKSPUR.</b> Popular garden annuals. This splendid class grows 2 to 3 feet high and bears flowers on long stems, rendering them of exceptional value for cutting purposes. The spikes of flowers are of varied shades of red, blue, white, etc. They are of easy culture, thriving in almost any soil—but a sunny situation suits them best. They are of long-continued bloom, keeping up a bright display until cut down by frost.		
656	<b>Exquisite Pink</b> .....	.10	.35
657	<b>Dark Blue</b> .....	.10	.35
658	<b>Lustrous Carmine (Newport Pink)</b> .....	.10	.35
659	<b>Emperor Mixed.</b> Produces an abundance of long, slender spikes in the most delicate colors.....	.10	.35
660	<b>Buchanan's Collection of Larkspur.</b> One packet each of three separate colors.....	.25c	
	<b>LATHRYUS LATIFOLIUS (Perennial Sweet Pea).</b> A decorative climbing sweet pea for growing on fences, etc.		
661	<b>Choice Mixed</b> .....	.10	.50
663	<b>LINUM (Crimson Flax).</b> One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose. Very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings.....	.10	.35
663A	<b>LINUM.</b> Perennial blue.....	.10	.20
664	<b>LOBELIA.</b> Lobelias require rich soil and plenty of water. The annual varieties, 4 to 6 inches, are extensively used for edging baskets and urns. Mixed.....	.10	.50
664A	<b>LUPIN, Giant.</b> Mixed. Free flowering easily grown annuals; valuable for mixed borders, beds and cutting.....	.10	.25
	<b>MARIGOLD.</b> In late summer, when many bedding plants are past their prime, Marigolds afford a wealth of color that is simply invaluable. The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting, some of the varieties being elegantly striped and spotted.		
665	<b>African Tall Double—Mixed</b> .....	.10	.40
666	<b>Orange Queen.</b> Large, perfect double quilled, flowers of a rich, deep, golden-orange color. Very attractive.....	.10	.60
667	<b>Lemon Queen.</b> These are lemon color, but the formation of the flower is exactly like the Orange Queen.....	.10	.60
668	<b>French Dwarf Double Mixed</b> .....	.10	.35
669	<b>MATRICARIA.</b> Small double white quilled flowers, well adapted for bedding and cutting.....	.10	.20



Kochia



Larkspur



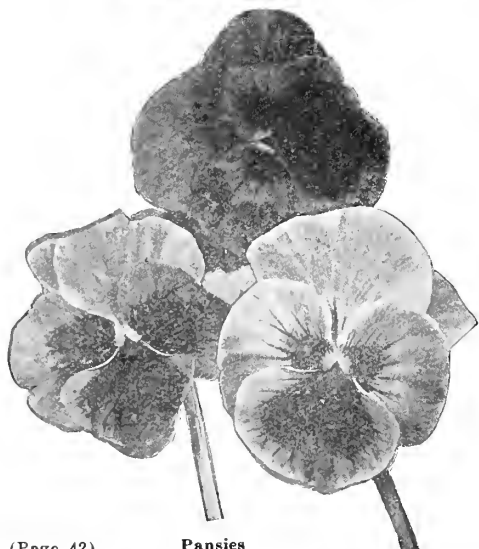
Marigold



Mignonette



Nasturtium



Pansies

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	Pkt.	1/4 Oz.
<b>MIGNONETTE.</b> No garden is complete without this fragrant, modest-colored flower. Mignonette can be had in bloom at almost any time during the year. The flowers grow closely together in cone-shaped spikes. Splendid in bouquets of more pretentious flowers.		
670 <b>Machet.</b> This improved Machet Mignonette produces broad, cone-shaped spikes of very fragrant red flowers on strong stems, dressed with vigorous foliage, evenly branched and of continuous-blooming habit; one of the best for either garden or pot culture.	.10	.50
671 <b>Sweet.</b> Large flowered, very sweet; light yellowish white.	.10	.35
<b>MOON FLOWERS.</b> Tall growing annual climber, related to the family of Morning Glories; have dense foliage; they are useful to cover trellis work, verandas, etc. Plant seeds out of doors when warm weather sets in. Soak them first.		
672 <b>White Hybrid.</b> At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers	.10	.20
673 <b>Bona Nox.</b> Large, fragrant violet blossoms, expanding at night	.10	.20
<b>NICOTIANA</b> (Sweet Scented Tobacco Plant). One of the easiest annuals to raise and one of the most effective. The flowers open toward evening and emit a powerful perfume.		
674 <b>Affinis.</b> White	.10	.35

## BUCHANAN'S NASTURTITIUMS

Sow the seed where it is to remain late in the spring and after danger of frost is over. It is seldom necessary to thin the young plants, as they will bloom if close together. Nasturtiums prefer dry, rather rocky soil, such as we usually call "poor" soil, and bear their flowers in such locations in greater profusion than in a rich garden, where they run too much to leaves.

	Pkt.	Oz.	1/4 Lb.
675 <b>DWARF MIXED.</b> The plants form a small, round bush, 12 to 16 inches high, which is a mass of bloom all summer. Do not water too much nor sow on rich ground if abundance of bloom is desired. Dwarf Nasturtiums are excellent to line roadways or wherever a tall border is pretty.	.10	.25	.65
676 <b>TALL OR CLIMBING (Mixed).</b> Of quick growth, covering a wall, hedge, or trellis in a short time. The brilliant blossoms almost cover the plant from top to bottom. On cloudy days when "high fog" is overhead, yellow flowers, such as Nasturtiums, are particularly pleasing. A cheerful tone runs through all the shades and the colors are exceptionally bright.	.10	.15	.50
677 <b>NIGELLA</b> (Love-in-the-Mist). A compact, free-flowering plant with finely cut foliage, curious looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed.	Pkt.	1/4 Oz.	
678 <b>Miss Jekyll.</b> A lovely variety, bearing on long stems, large semi-double flowers of a lovely tender blue, nestling in fine feathery foliage.	.10	.35	
<b>OENOTHERA</b> (Evening Scented Primrose). These open their flowers in the evening and one can enjoy a thrill in the garden if they will sit for 15 minutes at twilight and watch the evening primrose unfold their petals.			
679 <b>Evening Primrose Mixed.</b>	.10	.25	
<b>PANSIES.</b> Thrive best in a moist, shady location and in rich, loamy soil. Seed should be sown in the autumn for early spring blossoms, or can be sown early in the year for good flowers late in the spring. The plants must be transplanted twice in order to get the largest flowers—once from the seed-box to a chosen bed, and again to the open garden. This is important if large-sized pansies are desired. Use manure liberally. The blossoms are usually larger in the spring and again in the fall, but are small during the hot months.			
680 <b>Giant Trimardeau Mixed.</b> Our stock of this variety produces as large pansies as can be grown. Flowers of richest, most varied shades, well rounded form and generally marked with three large blotches. Plants very hardy and vigorous. We recommend this mixture as one sure to give general satisfaction where conditions are at all suitable for pansy growth.	.25	1	.75
681 <b>Buck Brand, Mixed.</b> Very large flowers of exceptionally fine form and substance, usually ruffled and beautifully veined and blotched in all the finer and deeper shades and colors found in pansies. Plants are very vigorous.	.10	1.00	





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682 PASSIFLORA (Passion Flower). A beautiful vine climbing about 15 feet. Exquisitely formed, sky blue and white flowers with rich green foliage.....

Pkt. 1/4 Oz.  
.10 .35

PETUNIAS grow with little attention or care and in any soil when once started and bloom profusely all spring and summer. The large, double varieties do not produce seed, but the pollen from them is artificially crossed on the large, single, and fringed plants, and the seed so produced will make a percentage of double blossoms. The giant-flowered types produce large, single, plain-edged or fringed-edged blossoms, or very thickly double flowers. As Petunia seed is exceedingly fine, start the plants in a box or flower-pot and merely press into the soil after sowing, cover with chopped moss, or a little sand.

Petunia seed is very fine, therefore but very little seed in each packet.

685 Buck Brand Fringed Mixed. Very strong, vigorous plants with enormous flowers in a great variety of colors, some blotched, some veined and in pretty light shades.....

.25 7.00

686 Giants of California. A large-flowering strain with fringed and ruffled flowers of rich, velvety colors and deep yellow throats. Mixed.....

.25 7.00

687 Striped and Blotched. Includes striped or blotched flowers in a wide range of brilliant colors. A fine bedder.....

.10 .50

688 Dwarf Mixed. Plants compact growing. A choice mixture of many shades and colors. Very desirable for small beds....

.10 .75

689 Balcony Rose. 691 Balcony Purple.....

.15 1.25

690 Balcony Scarlet. 692 Balcony Mixed.....

.15 1.25

682 Buchanan's Collection of Balcony Petunias. One packet each of three separate colors.....

.35c

693 Rosy Morn. Compact in habit of plant but producing throughout the summer an abundance of clear rosy pink flowers with white throat. An excellent sort for borders, edgings or porch boxes.....

.10 .85

694 Double Mixed.....

.25 ....

PHLOX. The Phloxes are the showiest and most easily raised of all Annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades.

700 Drummond—Mixed.....

.10 .75

701 Snowball. Pure white. 702 Fireball. Blood-red.....

.10 .85

703 Star Mixed.....

.10 .75

704 Decussata (Perennial Mixed).....

.10 .85

705 PHYSALIS (Chinese Lantern Plant). Grows 1 1/2 feet. Flowers yellow with dark center. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese Lanterns.....

.10 .50

POPPIES. Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems. Mix seed with sand before sowing so as to distribute the seed thinly and evenly.

706 Shirley Mixed 707 Carnation, Mixed.....

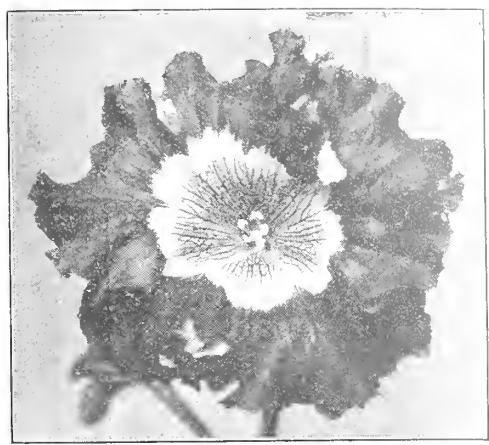
.10 .25

708 Tulip 709 Oriental, Mixed.....

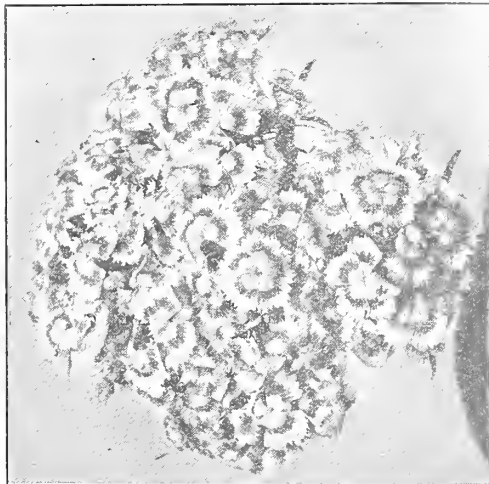
.10 .25

710 Peony-Flowered.....

.10 .25



Buck Brand Fringed Petunia



Phlox



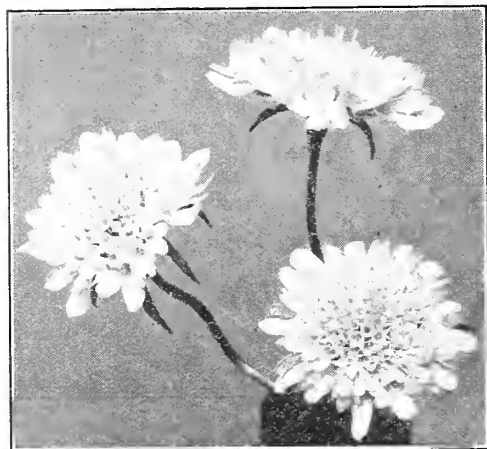
Poppies



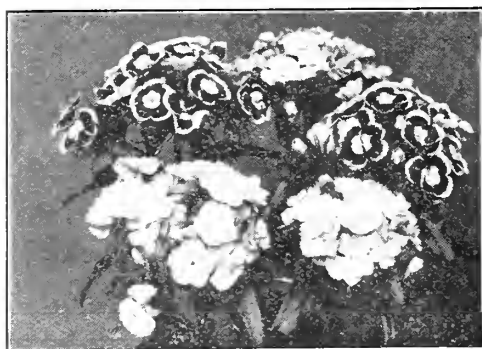
Buchanan's Balcony Mixed Petunias



Salvia



Scabiosa



Sweet William

## 738—TEXAS BLUEBONNET

This is the Texas State Flower. Grows wild all over the prairies of Central and South Texas. There is nothing more beautiful than to see the fields when the beautiful flowers are in bloom in the early Spring. Plants grow to 12 inches high and are covered with beautiful dark blue flowers tinged with white. They will grow on poor as well as rich soil. Sow the seed very early in the Spring, or in August, September, October or November, covering about one-half inch deep. As the seed are very hard, file them before sowing to admit moisture. If the weather is dry, give them plenty of water. They bloom in Texas in March, April and May. After maturing seed, the plant dies and the seed comes up again the next Spring. Pkt., 15c; oz., 50c, postpaid.

All Prices on this Page Post Paid  
All 10c Pkts. 3 for 25c

		Pkt.	¼ Oz.
	PORTULACA (Rose Moss). Select the hottest, sunniest place for this little plant. Sometimes called "Rose Moss." Forms masses of delicate green foliage covered with bright colored flowers somewhat resembling small roses.		
715	Single, Mixed .....	.10	.50
716	Double, Mixed .....	.10	.75
718	RICINUS (Castor Oil Beans). Garden annual of luxuriant growth with large palm-like leaves; very attractive on account of their semi-tropical effect. The colors of the foliage are very rich ranging from green to deep bronze. Desirable for lawns, massing or center plants for beds. Mixed .....	.10	.15
	PYRETHRUM (Foliage Plant.) One of the best plants for edging. Grown for its beautiful yellow foliage.		
717	Aureum (Golden Feather) .....	.10	.50
720	SALPIGLOSSIS (Painted Tongue). One of the most attractive annuals about 18 inches high, bearing throughout the season large flowers of many beautiful colors, all exquisitely veined and laced; mixed .....	.10	.25
	SALVIA OR SCARLET SAGE		
721	Splendens. The old favorite bedding variety, producing during the summer and fall dazzling scarlet flowers in profusion ..	.25	2.00
722	Bonfire. A new dwarf scarlet sage of dense, compact growth ..	.25	2.25
723	Farinacea. Lavender blue flowers .....	.25	1.75
725	SCARLET RUNNER VINE. This ornamental, rapidly growing annual reaches a height of 15 feet. It produces showy sprays of scarlet sweet pea-shaped blossoms, which are succeeded by delicious edible beans .....	.10	.15
726	SCABIOSA (Morning Bride). A very beautiful plant and a great favorite with gardeners, splendidly adapted for beds, borders and cutting. The flowers are full, fluffy and exquisitely colored and borne on long graceful stems. Mixed .....	.10	.50
726A	Ageratum Blue .....	.10	.50
726B	Black Prince (Purple) .....	.10	.50
726C	Fiery Scarlet .....	.10	.50
726D	Rose .....	.10	.50
726E	Yellow .....	.10	.50
728	SCHIZANTHUS (Butterfly Flower). One of our finest annuals, bearing a profusion of pretty butterfly-like flowers of various colors, closely resembling some species of orchids. ....	.10	.50
729	SENSITIVE PLANT. Curious and interesting, pinkish white flowers; the leaves close and droop when touched or shaken ..	.10	.35
	STOCKS (Gilliflower). Stocks are hardy annuals, indispensable in every garden. There are both summer and winter blooming varieties. For either bedding or pot culture they are desirable. Average height of plants 1½ feet.		
731	Dwarf Ten Weeks—Mixed .....	.10	.75
732	Giant Perfection (Cut-and-Come-Again)—Mixed .....	.10	.75
735	SWEET ROCKET. This old-fashioned, fragrant flower is of the easiest culture, and bears clusters of white and purple blossoms.	.10	.25
	SWEET WILLIAM. An old favorite hardy garden plant of easy culture, thriving in any good garden soil and lasting for years. The plants grow about 1 foot high.		
736	Single Mixed .....	.10	.35
737	Double Mixed .....	.10	.35
739	THUNBERGIA (Black-eyed Susan). Beautiful, rapid-growing annual climbers, preferring a warm, sunny situation; used extensively for hanging baskets, vases, low fences, etc. Very pretty flowers in buff, white, orange, etc., with dark eyes ..	.10	1.00
	VERBENA. One of the most popular garden annuals and lends itself willingly to many uses. For beds, borders and window boxes it is particularly fine.		
741	Mammoth Purple .....	.10	.75
742	Mammoth Scarlet .....	.10	.75
743	Mammoth White .....	.10	.75
744	Mammoth Pink .....	.10	.75
745	Mammoth Yellow .....	.10	.75
746	Mammoth Mixed .....	.10	.75
747	Choice Mixed .....	.10	.75
748	Buchanan's Collection of Mammoth Verbenas. One packet each of five separate colors .....	.35c	
	VINCA ROSEA (Periwinkle). Ornamental free blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed should be sown early.		
750	White 752 White with Eye 751 Pink 753 Mixed ..	.10	.65
754	Buchanan's Collection of Vinca. One packet each of three separate colors .....	.25c	
755	WALLFLOWER. An old-fashioned garden flower. The large fragrant spikes are very conspicuous in beds and borders and are very useful in making bouquets. Finest mixed .....	.10	.50



# Buchanan's California Grown Giant Mammoth Zinnias

We have improved this variety to overcome the objectionable feature of the old Giant type; that is, the conical shape, and you will notice in planting these new Giants listed below, that they have smaller centers and more loosely placed petals, while the size of the flower has been notably increased. In presenting the type below, we offer a collection of striking and desirable colors, which can not be surpassed by any flower seed grower anywhere.

The seed may be sown in a hot bed or sunny window and transplanted, or sown later in the open ground. If sown in the open ground in April, thin out as soon as the plants are well up, leaving at least 1½ feet each way, as they are robust growers and require a large amount of space to attain maximum size. The plants come into flower early in the summer and keep on blooming until hard frost.

All Prices on this Page Post Paid All 10c Pkts. 3 for 25c		Pkt.	¼ Oz.	1 Oz.
780	GIANT CRIMSON.....	.10	.50	1.50
781	GIANT GOLDEN YELLOW.....	.10	.50	1.50
782	GIANT FLESH PINK.....	.10	.50	1.50
783	GIANT CANARY YELLOW.....	.10	.50	1.50
784	GIANT WHITE.....	.10	.50	1.50
785	GIANT PURPLE.....	.10	.50	1.50
786	GIANT ROSE.....	.10	.50	1.50
787	GIANT VIOLET.....	.10	.50	1.50
789	GIANT SCARLET.....	.10	.50	1.50
790	GIANT BURNT ORANGE.....	.10	.50	1.50
791	GIANT SALMON.....	.10	.50	1.50
792	GIANT MIXED.....	.10	.40	1.35

## DAHLIA FLOWERED ZINNIAS

The Zinnias listed on this page are the finest Zinnias grown by the most reputable grower in the world.		Pkt.	¼ Oz.	½ Oz.
757	DREAM. A fine, deep lavender, turning to purple; a new, desirable shade in Zinnias.....	.25	1.00	1.75
758	CRIMSON MONARCH. By far the largest and best of the red shades. Flowers often eight inches in diameter. Plants very vigorous.....	.25	1.00	1.75
759	EXQUISITE. The most pleasing of our collection. Truly Dahlia flowered as regards form and size. Color light rose with center of deep rose.....	.25	1.00	1.75
760	ORIOLE. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named.....	.25	1.00	1.75
761	OLD ROSE. It is of the real Old Rose shade; it is large, and for charm and beauty we consider it ranks next to Exquisite.....	.25	1.00	1.75
762	POLAR BEAR. A very large pure white, the best white yet seen in Zinnias.....	.25	1.00	1.75
763	CANARY BIRD. A delicate shade of primrose—very large and holds its color well until out of bloom.....	.25	1.00	1.75
764	SCARLET FLAME. A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal..	.25	1.00	1.75
765	MIXED. A well blended mixture containing all the above novelties.....	.25	1.00	1.75
766	BUCHANAN'S COLLECTION OF DAHLIA FLOWERED ZINNIAS. One packet each of eight separate colors. Purple Prince (Purple).....	1.75	.....	.....
767	Giant Attraction (Brick Red).....	.25	1.00	1.75
769	Meteor (Deep Red).....	.25	1.00	1.75
770	Lemon Beauty (Yellow on Brown).....	.25	1.00	1.75
771	Illumination (Deep Rose).....	.25	1.00	1.75
793	CACTUS-FLOWERED QUILLED TYPE ZINNIA—The petals are partially tubular or quilled giving the flower somewhat the appearance of a cactus dahlia and displaying a rich variety of colors mostly of the warmer shades, such as salmon old rose, deep rose, lilac, bronze and dark red tones. On the reverse side the petals are light or dark lilac, making a wonderful combination of colors. The plants are of strong, robust growth and produce an abundance of very large, double flowers often 5 inches in diameter.	Pkt.	¼ Oz.	1 Oz.
	CURLED AND CRESTED. The petals of this beautiful strain are twisted, curled and crested into the most fantastic and graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnia.			
795	Mixed.....	.10	.50	1.50
	LILLIPUT ZINNIAS form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer until late in the fall.			
796A	Lilliput Pink. 796 Crimson or 797 Mixed.....	.10	.40	1.00



Giant Zinnia

**793 BUCHANAN'S  
COLLECTION OF GIANT ZINNIAS.**  
The greatest value ever offered in Zinnia Seed.

One packet each of ten separate colors  
**75c POSTPAID 75c**



Dahlia Flowered Zinnia



# BUCHANAN'S HARDY ROSES

For real satisfaction, no plant equals the Rose. With their wide range of color and shape, Roses lend themselves to any planting scheme. We have not tried to list all the varieties we are growing, but only those true and tried varieties, each one the best of its particular class and color. We have been growing Roses in our nurseries and in our home gardens for many, many years.

You may plant any of the ever-blooming varieties with every assurance that each of them will bloom the first season after planting. All of the Roses we offer are strong, one and two-year plants.

Your Rose garden should be located where the plants will have plenty of sunlight and where the Roses will not be affected by large trees or shrubs, either shading them or drawing nourishment from the soil. Clay or sandy soil is best and there should be plenty of well-rotted manure worked into the soil before planting. The plants should be cultivated frequently and kept absolutely free of weeds and grass. All old and decayed branches should be cut off, as the flowers are borne only on the new growth. Protect in winter by covering with at least six inches of leaves or coarse manure, which may be removed or worked into the soil in the spring.

All Roses will be pruned for planting before shipment.

PRICES—All Everblooming Roses, Priced, Post paid:

One year old—each 25c; 3 for \$0.65; 6 for \$1.25; 1 dozen, \$2.25

Two year old—each, 75c; 3 for \$2.00; 6 for \$3.75; 1 dozen, \$6.00

## WHITE BUSH ROSES

**BESSIE BROWN**—Of a distinct type in shape and color. Marvelously beautiful. Erect stems; full deep bloom with enormous petals. White, flushed with pink, growing deeper toward the center.

**SNOW QUEEN**—Hardy everywhere. A vigorous grower with bright green leaves; long buds; magnificent snow-white flowers with large saucer-shaped petals. Rightly named and is one of the best white roses.

**MAMAN COCHET**—White—A splendid Rose; has all the good qualities of Pink Maman Cochet, but is pure snow-white, with outside petals tipped pink in the autumn; large and fragrant.

**KAISERIN AUGUSTA VICTORIA**—We have white Roses that have elegant buds, but when full grown are not all that is desired. This Rose combines both these good qualities. Color, a pure white.

**WHITE LA FRANCE**—A seedling of La France; extra large, full, deep, pearly white flowers, deliciously shaded with soft rose; exquisitely beautiful and delicately fragrant.

**MRS. MACKELLAR**—The glorious blooms make this an imposing rose. A deep citron or delicate pure canary color. As the large blooms gracefully expand the guard petals charmingly become primrose-white of great decorative beauty.

**CORNELIA COOK**—The buds are most beautiful, of immense size, are borne up high on massive stems, and with their round, full, heavy form, carry an air of grace and dignity quite unusual. The flowers are the clearest, snowiest white, and are arranged in the most faultless and symmetrical manner. Cornelia Cook has the largest bud of any white rose.

**MARIE GUILLOT**—The Queen of White Roses. We recommend it as one of the most reliable white Tea Roses in cultivation, especially for outdoor culture. The color is pure white, sometimes faintly tinged pale yellow. The flowers are beautifully made, very large, full and double; the buds are very pretty, of sweet fragrance. Anyone who has not seen this splendid variety growing at its best in the open ground cannot conceive of the lovely beauty of its large, bold, handsome flowers.

**MARCIA STANHOPE**—Bud large, globular, streaked slightly with carmine; bloom large, double, globular, very lasting; pure white; strong fragrance. Foliage disease-resistant. Profuse bloomer. Hardy.

## WHITE AMERICAN BEAUTY

FRAU KARL DRUSCHKI

Snow-white flowers, 4 to 5 inches across, deliciously fragrant. The Regal "White American Beauty." The distinctive form and expression of its bud, half opened state and maturity, are a three-fold revelation of exquisite charm and beauty. In our gardens they commence blooming with the June roses, are conspicuous throughout the summer with their large flowers of waxy paper white, and yield their last armful with the first snows of any early fall. Price, one year 50 cents each; two year, \$1.00 each. Post paid.



La France



Marie Guillot



White American Beauty

We have attached numbers to all Vegetable and Flower Seed varieties, but customers may order either by name or number





### PINK BUSH ROSES

For prices not shown on this page,  
see Page 50.

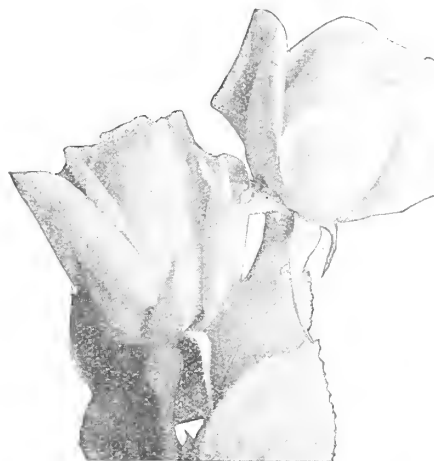
**LA FRANCE**—An old-time favorite by which all other Roses are judged. Flowers a silvery rose shaded to pink with satin-like petals of wonderful beauty; blooms continuously throughout the season.

**PAUL NEYRON**—The largest of all Roses. Blooms of bright shining pink, beautiful, very double, full and finely scented. Blooms freely throughout the season. Stems almost thornless.

**WILLIAM R. SMITH**—A strong, vigorous grower; a distinct type producing pointed buds of a soft salmon-pink blended with rose, in great profusion from early spring until late fall.

**MAMAN COCHET**—Pink—This superb Rose is well known as a queen among Roses, one of the best and most beautiful varieties ever grown, and quite hardy. The flowers are of enormous size, very full and of great depth and substance. Color, rich, coral-pink, elegantly shaded with rosy crimson; has broad, thick, shell-like petals and makes superb long-pointed buds; immense bloomer, and flowers the whole season. Deliciously sweet and a hardy, vigorous grower. It ranks among the very finest hardy everblooming Roses.

**RADIANCE**—Pink—A brilliant rosy-carmine, displaying beautiful rich and opaline-pink tints in the open flower. Radiance is a Rose that does well everywhere, a fine grower and free bloomer, and no prettier pink Rose grown.



Maman Cochet

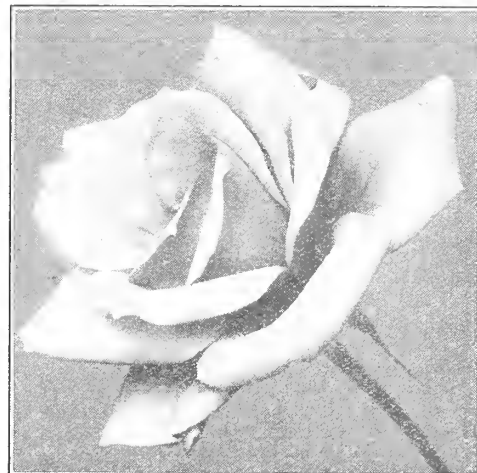
**BUSH COLUMBIA**—A great rose. This beautiful new rose, of English origin, we especially recommend for outdoor cultivation as one of the best, if not the best rose of its class and color now in cultivation. One of the kind that we cannot have too many of. Exceedingly hardy, producing in marvelous profusion deep crimson-pink flowers, perfectly double; delightfully fragrant. Buds large, pointed and beautiful.

**MADAME EUGENE MARLITT**—One of the greatest garden roses, wonderfully strong growing, making a sturdy bush about four feet high; heavy, leathery foliage like June Rose; free from insects; bears enormous clusters of large full double crimson flowers of extraordinary beauty and exquisite fragrance. Blooms all the time. One of the great modern roses. For any purpose, anywhere, has no superior.

**BRIDESMAID**—One of the most beautiful of Pink Tea Roses. This variety is valuable for cutting and does finely in the open ground; a sport from the old and popular pink Tea, Catherine Mermet, but of a fine, clear, dark pink, much deeper and more constant than Mermet. The bush is a strong, vigorous grower, bearing its flowers on long, sturdy stems. Altogether one of the finest roses for garden culture and one which is a universal favorite for all occasions.

**PREMIER**—H. T. Makes splendid fall blooms. The flowers are large, of fine form, pleasing fragrance, rich dark pink color, and come on long, stiff stems, almost thornless. Notable as a cut-flower rose.

**ALBERT PIKE**—Handsome buds, expanding into full well shaped flowers of cupped form. Every flower carried erect on fine strong stems. The color is a lovely clear cerise, rich and glowing, and peach flush at times. Its wonderful color will make it a grand bedding rose. A great improvement over our Winsome, which it much resembles in color, form and growth. It blooms continuously, producing an abundance of flowers throughout the season, increasing its flowers in quantity and quality toward fall. Price—One year plants, 50 cents each; two year plants, \$1.00 each.



Pink Radiance

#### BUCHANAN'S 10 FINEST ROSES, Post Paid, \$4.00

The ten roses named below are field-grown two-year old roots of the highest quality. Don't confuse this offer with hothouse grown stock:

**Bush Columbia**.—A remarkable new pink rose.

**F. K. Druschki**.—Most popular white rose.

**Lady Hillingdon**.—A golden yellow in color.

**Hadley**.—Flowers of rich velvety crimson.

**Paul Neyron**.—The largest flowering pink rose.

**His Majesty**.—Note its deep rich red color.

**Alexander Hill Gray**.—A wonderful yellow prolific bloomer.

**K. A. Victoria**.—Holds first place as the most popular white rose.

**Red Radiance**.—A clear cerise-red, does not fade.

**Pink Radiance**.—A very brilliant rose-carmine.

#### BUCHANAN'S BIG SIX ROSE COLLECTION—\$3.00

These six well known two-year field grown bush roses are mailed to you direct from our Nursery for \$3.00 post paid. A saving to you of \$1.50. Order at once:

**Etoile de Lyon**.—A healthy, sweet, yellow rose.

**Jonkheer J. L. Mock**.—This red rose has very large blooms highly perfumed.

**La France**.—Many consider this the finest pink rose grown.

**Gen. Jacqueminot**.—The premier of red roses.

**Wm. R. Smith**.—A pink rose blooming from early spring until late fall.

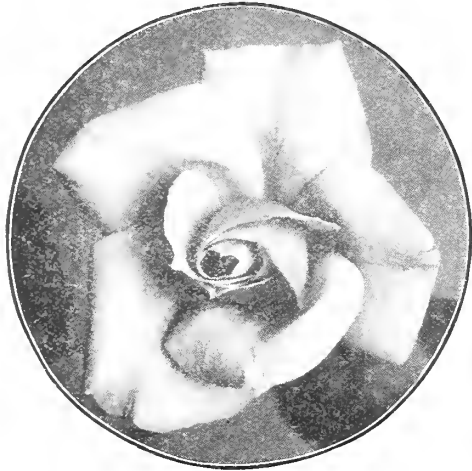
**Etoile de France**.—A very vigorous dark red, free bloomer.



Albert Pike



For Prices Not Shown on This Page,  
See Page 46.



Red Radiance



Francis Scott Key



Alexander Hill Gray

## RED BUSH ROSES

**ETOILE DE FRANCE**—A brilliant, clear crimson-red, with vivid cerise center. Large flowers on long, stiff stems. Remarkably vigorous and free blooming.

**GENERAL JACQUEMINOT**—Still holds its place as the premier of red roses. Perfectly hardy and a strong, vigorous grower; large, shapely buds and handsome blooms of a bright, shining crimson. Very rich, brilliant, velvety, and fragrant.

**GRUSS AN TEPLITZ**—Perfectly hardy and very valuable for bedding or mass planting; fiery crimson, sweetly fragrant and produced in great quantities.

**HADLEY**—Deep, rich, velvety crimson flower, with a well-formed bud and long, stiff stem. Flowers are borne throughout the season and have great fragrance.

**J. L. MOCK**—It is a true hybrid tea with gigantic flowers on great, erect, stiff stem and a growth that is marvelous in its freedom. Has extraordinary large, heavy foliage and quickly makes a great strong bush. The flowers are enormous in size, magnificently formed, deep and double, exquisitely fragrant; color bright, rich pink, faced with carmine. It is the greatest bush rose of any color for your garden that has been introduced in the past fifty years.

**RADIANCE**—This is a counterpart of the glorious pink Radiance, but the color is clear cerise-red which does not fade. Blooms are large and double. Plant an entire bed of this vigorous, healthy rose, and you can depend upon having abundant, deliciously fragrant and handsome blooms for cutting from June until frost.

**FRANCIS SCOTT KEY**—The new American rose, Francis Scott Key, dazzling crimson, globular rose of gigantic size. In this new rose we find the embodiment of a perfect bloom combining size, form and color, the attributes of all exhibition flowers. This new American rose produces intensely black grain scarlet-crimson blooms on strong shoots of sturdy, erect growth, embellished with a foliage of the deepest green. The rose is deliciously perfumed. In growth it is strong, vigorous and free-branching, with large and handsome foliage.

**HIS MAJESTY**—Notwithstanding this famous old hardy favorite has long been grown, it still may be regarded as the most beautifully formed, brilliant velvety crimson variety now in cultivation. Beautiful buds and flowers, very large and exquisitely made. The bush is remarkably vigorous in growth, perfectly hardy and constantly in bloom.

**HARVARD**—There is no color that produces the show that a good crimson does. The color is a rich, bright velvet crimson. A strong, vigorous, upright grower; flowers large and full, a great garden rose as it is always in bloom, extremely hardy and produces a magnificent bush in a short time.

## YELLOW ROSES

**ETOILE DE LYON**—Golden yellow. A healthy, vigorous grower, blooming freely early and late. Full, deep, rich flowers. Very sweet.

**OPHELIA**—Flowers of salmon-flesh shaded rose at outer edge of petals. Quite fragrant and of perfect form, both in bud and flower.

**SUNBURST**—Without a doubt the yellowest of all yellow roses, a color range from orange-copper to the deepest golden yellow; flowers on unusually large, long stems and buds are of surpassing beauty.

**ALEXANDER HILL GRAY**—Deep lemon-yellow, similar in color to Marechal Neil, more intense as the bloom expands. Large, full flowers with high pointed center and perfect form, freely produced and strongly tea perfumed. Robust, vigorous and erect. The best pure yellow Tea Rose yet offered.

**LADY HILLINGDON**—A medium size rose which blooms freely. The buds long and pointed and as yellow as Mrs. Aaron Ward. The open flowers resemble Sunburst. A great improvement over either rose in productiveness. Easy culture. Either as a bud or open flower this rose is charmingly beautiful.

**MABEL DREW**—A truly magnificent rose, superb in every respect. It is exquisitely shaped, with smooth, circular petals of great substance, arranged in perfect symmetry. The blooms are large and full, carried on strong and erect flower stalks. The color is a deep cream in the young state, to intense canary-yellow in the center as the flower develops. It is a hybrid Tea Rose with a deliciously refreshing perfume. The flowers are produced continuously and in great profusion. A vigorous grower with rich cedar-green foliage.

**MRS. AARON WARD**—This rose is a real joy to the grower and absolutely distinct. One of the most delightful roses of recent years, in color that catches the eye at once. Coppery orange in the open bud, golden orange when partly developed, pinkish fawn of lovely shade when fully open, when it looks like a full fluffy rosette. No wonder everybody that sees it falls in love with it.

All Roses listed on this page are delivered transportation paid. See page 46 for prices.



# Buchanan's Wholesale Price List Jan. 10, 1931

All prices quoted in this list are present values and subject to change without notice. We do not, however, expect many changes, and our customers may rely upon receiving the very lowest prices current at the time their orders are received.

**TERMS.**—As the prices are NET CASH, a remittance must accompany all orders. These prices are F.O.B. Memphis, sacks included. Freight or express charges must be paid by the purchaser.

**PARCEL POST.**—When any items ordered from these prices are to be sent by parcel post, sufficient money must be added to the following prices to pay postage. If more money is sent than the amount of postage, we will return same, for we make no charge for packing, and all boxes, sacks and other containers which we use in shipping our seeds are free to you. Refer to page numbers given below for description of seeds quoted.

**R. B. BUCHANAN SEED CO.** give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, plants, etc., they send out, and will not be in any way responsible for the crop.

## BEANS, BUSH—Green Pod—Bu. 60 lbs. (Page 5)

	Gal.	Pk.	Bu.
39 Black Valentine .....	\$ 1.75	\$ 3.50	\$12.75
40 Burpee's Stringless .....	1.75	3.50	12.75
44 Giant Stringless .....	1.75	3.50	12.75
35 Hopkins Red Valentine .....	1.75	3.50	12.75
37 Improved E. E. Red Valentine .....	1.75	3.50	12.75
38 Tennessee Green Pod .....	2.00	3.85	14.00
42 Bountiful .....	2.00	3.85	14.00
61 Navy Beans .....	1.60	2.75	9.60

## BEANS, BUSH—Wax Pod—Bu. 60 lbs. (Page 5)

	Gal.	Pk.	Bu.
56 Curries Rust Proof Wax .....	\$ 2.00	\$ 3.85	\$13.75
57 Davis' White Kidney Wax .....	2.00	3.85	13.75
58 Improved Golden Wax .....	2.00	3.85	13.75
59 Sure Crop Wax .....	2.00	3.85	13.75

## BEANS, POLE OR RUNNING—Bu. 60 lbs. (Page 6)

	Gal.	Pk.	Bu.
67 Kentucky Wonder .....	\$ 2.00	\$ 3.75	\$13.50
68 White Creaseback .....	1.50	2.75	10.50
69 Red Speckled Cut Short .....	1.50	2.85	11.00
66 Scotia or Cornfield .....	1.75	3.25	12.00
64 Kentucky Wonder Wax .....	2.10	4.00	15.00
71 White Kentucky Wonder .....	2.00	3.75	14.00
72 Sou. Cornfield .....	1.50	2.75	10.50

## BEANS, POLE LIMA—Bu. 60 lbs. (Page 7)

	Gal.	Pk.	Bu.
78 Carolina or Sieva .....	\$ 1.75	\$ 3.25	\$12.50
77 Buchanan's Butter .....	1.75	3.25	12.50
74 Early Jersey .....	1.75	3.50	13.00
79 Calico Lima .....	1.75	3.50	13.00
80 Monstrous Lima .....	2.00	4.00	15.00
75 Large White Lima .....	2.00	4.00	15.00
76 King of Garden .....	2.00	4.00	15.00

## BEANS, BUSH LIMA—Bu. 60 lbs. (Page 7)

	Gal.	Pk.	Bu.
49 Henderson's Bush .....	\$ 1.75	\$ 3.50	\$13.00
50 Buchanan's Butter .....	1.75	3.50	13.00
48 Fordhook Bush .....	2.75	5.00	18.00

## TABLE BEETS—(Page 8)

	1 lb.	5 lbs.	10 lbs.
17 Market Gardener .....	\$ 0.65	\$ 2.50	\$ 4.00
21 Early Blood Turnip .....	.50	2.00	3.50
24 Crosby's Egyptian .....	.50	2.00	3.50
26 Swiss Chard .....	.50	2.00	3.50
19 Crimson Globe .....	.50	2.00	3.50
20 E. E. Egyptian .....	.55	2.50	4.50
22 E. E. Eclipse .....	.60	2.55	4.75
25 Long Smooth .....	.60	2.50	4.00
23 Detroit Dark Red .....	.60	2.50	4.00

## SUGAR BEETS OR MANGELS—(Page 8)

	1 lb.	5 lbs.	10 lbs.
30 Mammoth Long Red .....	\$ 0.40	\$ 1.90	\$ 3.50
29 Golden Tankard .....	.40	1.90	3.50
35 Lane's Imperial .....	.40	1.90	3.50
36 Klein's Wanzleben .....	.40	1.90	3.50

## CABBAGE—(Page 10)

	1 lb.	5 lbs.	10 lbs.
86 Early Jersey Wakefield .....	\$ 1.25	\$ 5.50	\$10.00
87 Chas. Wakefield .....	1.25	5.50	10.00
99 Early Drumhead .....	1.40	6.00	11.00
101 Early Flat Dutch .....	1.40	6.00	11.00
91 Succession .....	1.50	6.00	11.00
93 Late Flat Dutch .....	1.40	6.00	11.00
92 Late Drumhead .....	1.40	6.00	11.00
102 Early Eureka .....	3.00	12.50	22.50
90 Early Spring .....	1.40	6.00	11.00

## CABBAGE—Continued.

	1 lb.	5 lbs.	10 lbs.
94 Copenhagen .....	\$ 2.25	\$10.00	\$18.75
98 All Head Early .....	1.40	6.00	11.00
96 Solid South .....	1.40	6.00	11.00
89 Early Winningstadt .....	1.60	7.50	14.00
95 Early Summer .....	1.40	6.00	11.00
85 All Seasons .....	1.40	6.00	11.00
97 Surehead .....	1.40	6.00	11.00
100 Drumhead Savoy .....	1.50	7.00	12.50

## CARROTS—(Page 9)

	1 lb.	5 lbs.	10 lbs.
103 Oxheart .....	\$ 0.75	\$ 3.00	\$ 5.50
105 H. L. Danvers .....	.75	3.00	5.50
106 Imp. Long Orange .....	.75	3.00	5.50
107 Large White Belgian .....	.75	3.00	5.50
104 Early Scarlet Horn .....	.75	3.00	5.50
108 Chantaney .....	.75	3.00	5.50

## COLLARDS—(Page 11)

	1 lb.	5 lbs.	10 lbs.
127 Georgia White Cabbage .....	\$ 0.70	\$ 3.00	\$ 5.25
126 Southern or Blue Stem .....	.65	2.90	5.00
128 North Carolina .....	.65	2.90	5.00

## CUCUMBERS—(Page 12)

	1 lb.	5 lbs.	10 lbs.
165 Improved White Spine .....	\$ 0.95	\$ 4.00	\$ 7.00
161 Cumberland Pickle .....	.95	4.00	7.00
166 Improved Long Green .....	.95	4.00	7.00
160 Chicago Pickle .....	.95	4.00	7.00
171 Norton's White Spine .....	.90	4.00	7.00
164 Early Fortune .....	.95	4.00	7.00
163 Early Green Cluster .....	.80	3.50	6.50
170 Everbearing .....	.80	3.50	6.50
167 Gherkin or Burr .....	1.50	6.50	10.00
162 Davis Perfect .....	.95	4.00	7.00
168 Japanese Climbing .....	.95	4.00	7.00
169 Mixed .....	.90	3.75	7.00

## CORN, GARDEN—(Page 13)

	Gal.	Pk.	Bu.
135 Extra Early Adams, Bu. 56 lbs. ....	\$ 0.70	\$ 1.25	\$ 4.50
134 Golden Bantam, Bu. 45 lbs. ....	.90	1.75	6.25
136 Adams' Large Early, Bu. 56 lbs. ....	.70	1.25	4.50
141 Early Surprise, Bu. 56 lbs. ....	.65	1.15	3.75
140 Country Gentleman, Bu. 45 lbs. ....	1.00	1.75	6.50
138 Stowell's Evergreen, Bu. 45 lbs. ....	1.00	1.75	6.50
137 Trucker's Favorite, Bu. 56 lbs. ....	.60	1.00	3.50
139 Early Minnesota, Bu. 56 lbs. ....	.60	1.00	3.50

## LETTUCE—(Page 15)

	1/2 lb.	1 lb.	5 lbs.
196 Big Boston .....	\$ 0.60	\$ 1.00	\$ 4.40
205 Wonderful .....	.75	1.25	6.00
198 Early White Cabbage .....	.60	1.00	4.40
195 Wayahead .....	.60	1.00	4.40
204 Early Curled Simpson .....	.60	1.00	4.40
207 Iceberg .....	.60	1.00	4.40
208 Mignonette .....	.60	1.00	4.40
202 Grand Rapids .....	.60	1.00	4.40
203 Paris White Cos. ....	.60	1.00	4.40
197 Cal. Cream Butter .....	.60	1.00	4.40
201 Mam. B. S. Butter .....	.60	1.00	4.40

## MUSKMELON OR CANTALOUPE—(Pages 16, 18, 19)

	1/2 lb.	1 lb.	5 lbs.
209 Buchanan's New Rockyford S. F. ....	\$ 0.85	\$ 1.50	\$ 6.50
222 Pollock's 10-25 .....	.65	1.25	5.00
221 B. B. Surprise .....	.60	1.00	4.25
218 Hearts of Gold .....	.50	.90	4.00
216 Cannonball .....	.65	1.25	5.00
212 Mammoth Rockyford .....	.65	1.10	5.00
229 Osage .....	.65	1.25	5.00
225 Tip Top .....	.60	.95	4.00
213 Burrrell's Gem .....	.60	.95	4.00
224 Hoodoo .....	.60	1.00	4.25

Please order Seeds by number prefixed to each variety. It saves your time in writing the order and our time in filling it.



## BUCK BRAND TESTED SEEDS

## MUSKMELON OR CANTALOUPE—Continued.

	1/2 lb.	1 lb.	5 lbs.
214 Banana .....	\$ 0.65	\$ 1.00	\$ 4.50
226 Honey Dew .....	.60	1.00	4.50
215 Mont. Green Nutmeg .....	.50	.85	4.00
228 Eden Gem .....	.65	1.25	5.00
219 Rockyford G. F. ....	.50	.85	3.50
223 Baltimore (Acme) .....	.45	.80	3.25
220 Imp. Large Baltimore .....	.60	1.00	4.25
217 Early Hackensack .....	.60	1.00	4.25
227 Mixed .....	.60	1.00	4.25

## WATERMELONS—(Pages 17 to 22)

	1/2 lb.	1 lb.	5 lbs.
240 Improved Watson .....	\$ 0.70	\$ 1.25	\$ 5.00
235 Halbert Honey .....	.40	.75	3.00
253 Kleckley's Sweet .....	.40	.75	3.00
237 Georgia Rattlesnake .....	.40	.75	3.00
238 Tom Watson .....	.40	.75	3.00
239 Irish Grey .....	.40	.75	3.00
252 Ribault .....	.70	1.25	5.50
242 Golden Heart .....	.50	.75	3.00
233 Imp. Kleckley's Sweet .....	.60	1.10	4.75
231 Black Diamond .....	.40	.75	3.00
236 Cole's Early .....	.40	.75	3.00
230 Alabama Sweet .....	.45	.75	3.00
232 Florida Favorite .....	.45	.75	3.00
254 Wondermelon .....	.65	1.15	5.00
241 Perfection .....	.60	1.00	4.00
234 Sweetheart .....	.45	.75	3.00
247 Thurmond Grey .....	.45	.75	3.00

## OKRA—(Page 24)

	1/2 lb.	1 lb.	5 lbs.
249 White Velvet .....	\$ 0.35	\$ 0.50	\$ 2.00
250 Dwarf Green .....	.35	.50	2.00
248 Long Green .....	.35	.50	2.00

## MUSTARD—(Page 24)

	1/2 lb.	1 lb.	5 lbs.
243 Southern Giant Curled .....	\$ 0.25	\$ 0.35	\$ 1.50
244 Elephant Ear .....	.30	.45	1.75
245 New Chinese .....	.30	.45	1.75
246 White Mustard .....	.25	.45	2.00
265 Tokayo Mustard .....	.50	.90	4.00

## ONION SEED—(Page 24)

	1/4 lb.	1/2 lb.	1 lb.
257 White Globe .....	\$ 0.60	\$ 1.10	\$ 2.00
259 Red Bermuda .....	.85	1.50	2.50
260 Red Wethersfield .....	.60	1.10	2.00
262 White Bermuda .....	.85	1.65	3.00
278 Yellow Bermuda .....	.75	1.40	2.50

## ONION SETS—Bu. 32 lbs. (Page 25)

	Gal.	Pk.	Bu.
267 White (Silverskin) .....	\$ 0.60	\$ 1.10	\$ 3.75
268 Red Wethersfield .....	.60	1.00	3.75
266 Yellow Danvers .....	.60	1.00	3.75
270 White Multiplier, Bu. 28 lbs. ....	.80	1.40	4.75

## PARSLEY—(Page 26)

	1/2 lb.	1 lb.	5 lbs.
274 Moss Curled .....	\$ 0.40	\$ 0.75	\$ 3.50

## GARDEN PEAS—(Page 25)

	Gal.	Pk.	Bu.
284 Alaska .....	\$ 1.10	\$ 2.10	\$ 8.00
288 Ameer .....	1.35	2.50	9.50
283 Laxtonian .....	1.50	2.75	10.00
287 American Wonder .....	1.40	2.70	10.40
286 First and Best .....	1.40	2.50	10.00
291 Gradus .....	1.50	2.75	10.75
285 Premium Gem .....	1.40	2.75	10.50
297 Little Marvel .....	1.40	2.70	10.25
293 Telephone .....	1.40	2.65	10.00
294 Marrowfat .....	1.25	2.25	8.25
289 Alderman .....	1.40	2.65	10.00
292 Champion of England .....	1.40	2.65	10.00
298 Bliss Everbearing .....	1.35	2.40	8.75

## PEPPERS—(Page 23)

	1/2 lb.	1 lb.	5 lbs.
303 Chinese Giant .....	\$ 2.25	\$ 4.25	\$20.50
307 Crimson Giant .....	1.75	3.45	17.00
302 Bell or Bull Nose .....	1.25	2.35	11.25
304 Red Cayenne .....	1.50	2.75	11.25

## IRISH POTATOES—Bu. 60 lbs

	Pk.	Bu.	2 1/2 Bu.
323 Red Triumph (Certified) .....	} Write for Prices		
323A Red Triumph (Non-Certified) .....			
322 Irish Cobbler (Certified) .....			
322A Irish Cobbler (Non-Certified) .....			
326 Lookout Mountain .....			

## SEED SWEET POTATOES—

Sold only in 1-Bu. Hampers, about 45 to 50 lbs.

	1	5	10
	Hamper	Hampers	Hampers
334 Nancy Hall—Certified—Write for Prices.			
335 Porto Rica—Certified—Write for Prices.			

## PUMPKINS—(Page 26)

	1 lb.	5 lbs.	10 lbs.
315 Cushaw .....	\$ 0.90	\$ 4.00	\$ 6.50
316 King of Mammoth .....	.95	4.50	7.50
314 Kentucky Field .....	.50	2.00	3.50
318 Japanese Pie .....	.90	4.00	6.50
320 Large Cheese .....	.50	2.25	4.25
319 Quaker Pie .....	.90	4.00	6.50
313 Small Sugar .....	.90	4.00	6.50
317 Tenn. Sweet Potato .....	.90	4.00	6.50
325 Kentucky Cornfield .....	.40	1.75	3.00

## RADISHES—(Pages 27, 28)

	1 lb.	5 lbs.	10 lbs.
339 White Tip .....	\$ 0.50	\$ 2.00	\$ 3.75
338 Scarlet Turnip .....	.50	2.00	3.75
351 Scarlet Globe .....	.50	2.00	3.75
344 Perfection .....	.65	2.50	4.50
343 Long Scarlet .....	.50	2.00	3.75
346 White Icicle .....	.60	2.50	4.00
340 Epicure .....	.60	2.50	4.00
350 French Breakfast .....	.55	2.25	4.00
347 Crimson Giant .....	.50	2.00	3.75
354 Golden Globe .....	.60	2.25	4.00
352 Cincinnati Market .....	.60	2.50	4.00
341 Half Long Deep Scarlet .....	.50	2.00	3.00
345 White Vienna .....	.60	2.50	4.25
355 Cal. Mammoth White .....	.50	2.25	4.00
349 Long Black Spanish .....	.60	2.50	4.25
348 China Rose Winter .....	.50	2.25	4.00
353 Mixed Radish .....	.50	2.00	3.00

## SPINACH—(Page 28)

	1 lb.	5 lbs.	10 lbs.
359 Bloomsdale .....	\$ 0.25	\$ 1.10	\$ 2.00
361 New Zealand .....	.75	3.00	5.00
357 Denmark .....	.35	1.50	2.75
358 Broad Leaf Flanders .....	.50	2.00	3.50
356 Large Viroflay .....	.35	1.50	2.75
360 Victoria .....	.50	2.00	3.50
362 Norfolk Curled .....	.50	2.00	3.50

Write for Prices in Larger Quantity.

## SQUASH—(Page 29)

	1/2 lb.	1 lb.	5 lbs.
368 White Bush .....	\$ 0.50	\$ 0.90	\$ 4.00
371 Yellow Crookneck .....	.50	.90	4.00
369 Mammoth White Bush .....	.50	.90	4.00
372 Giant Yellow Crookneck .....	.60	1.00	4.00
367 Golden Custard .....	.50	.90	4.00
373 Delicious .....	.50	.90	4.00
374 Hubbard .....	.50	.90	4.00

## TOMATOES—(Pages 30, 31)

	1/2 lb.	1 lb.	5 lbs.
375 Acme .....	\$ 1.25	\$ 2.40	\$11.25
377 Beefsteak .....	2.40	4.60	22.50
389 Early Detroit .....	1.60	3.00	14.50
381 Ponderosa .....	2.35	4.50	22.25
388 Livingston's Globe .....	2.00	3.75	18.25
394 Gulf State Market .....	2.00	4.00	19.50
385 Norton's Wilt Resistant .....	1.50	2.75	12.50
384 Norduke Wilt Resistant .....	1.75	3.00	13.75
392 June Pink .....	1.75	3.00	13.75
391 Buck Brand .....	2.00	4.00	19.50
376 Beauty .....	2.00	3.25	15.00
390 Bonney Best .....	1.25	2.00	9.75
386 Louisiana Pink .....	1.75	3.25	15.00
378 Earliana .....	1.50	2.25	10.00
393 Marglobe .....	1.45	2.75	13.50
379 Chalk's Jewel .....	1.50	2.75	12.50
383 Red Rock .....	1.25	2.00	9.50
382 Stone .....	1.25	2.00	8.75
397 Brimmer .....	2.75	5.00	23.75
380 Golden Queen .....	1.75	3.75	17.50

Please order Seeds by number prefixed to each variety. It saves your time in writing the order and our time in filling it.



**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS****BUCK BRAND SEED CORNS—(Selected)**

See descriptions on pages 66, 67, 68.

	Bu.	2½ Bu.	5 Bu.
1124 Buchanan's Improved Paymaster.....	\$ 3.00	\$ 7.25	\$14.25
1125 Paymaster .....	2.80	6.50	12.75
1126 Tenn. White Red Cob, Long Grain.....	2.80	6.50	12.75
1128 Champ. White Dent.....	2.80	6.50	12.75
1135 Buchanan's Prolific .....	2.95	6.90	13.50
1136 Mosby's Prolific .....	2.95	6.90	13.50
1137 North Carolina .....	2.95	6.90	13.50
1132 Hickory King .....	2.95	6.90	13.50
1134 Buchanan's Big Mexican June.....	2.95	6.90	13.50
1133 Buchanan's White June .....	2.95	6.90	13.50
1127 Boone County White .....	2.40	5.50	10.75
1129 Iowa Silver Mine .....	2.40	5.50	10.75
1130 Wisconsin White Dent .....	3.00	7.25	14.25
<b>Yellow Varieties</b>			
1144 Buchanan's Golden Prolific.....	3.00	7.25	14.25
1139 Tennessee Yellow Dent .....	2.80	6.50	12.75
1141 Iowa Gold Mine.....	2.40	5.50	10.75
1142 Reid's Yellow Dent.....	2.40	5.50	10.75
1143 Jarvis Prolific .....	2.80	6.50	12.75

**SEED CORN—COMMERCIAL GRADE—**

The corns listed below are of good quality and germination, but are not selected.

	Bu.	2½ Bu.	5 Bu.
1125-C Paymaster .....	\$ 1.75	\$ 4.00	\$ 7.75
1126-C Red Cob.....	1.75	4.00	7.75
1128-C White Dent.....	1.75	4.00	7.75
1136-C Mosby Prolific.....	2.10	4.90	9.50
1137-C North Carolina .....	2.10	4.90	9.50
1134-C Mexican June.....	2.10	4.90	9.50
1133-C White June.....	2.10	4.90	9.50
1129-C Silver Mine.....	1.75	4.00	7.75
1139-C Yellow Dent.....	1.75	4.00	7.75
1141-C Gold Mine.....	1.75	4.00	7.75
1142-C Reid's Yellow.....	1.75	4.00	7.75

**COTTON SEED—(Pages 70, 71, 72, 73)**

	Bu.	100 lbs.	500 lbs.	1,000 lbs.
1148 Delfos 631 .....	\$ 2.00	\$ 4.75	\$21.25	\$40.00
1150 Delfos 6102 .....	2.00	4.75	21.25	40.00
1149 Delfos 911 .....	2.00	4.75	21.25	40.00
1151 Wannamaker-Cleveland .....	2.00	4.25	20.00	39.00
1152 Half & Half.....	2.00	4.25	20.00	39.00
1153 King's Improved .....	2.00	4.25	20.00	39.00
1154 Acala No. 5.....	2.25	5.00	22.50	40.00
1162 Delta & Pine Land No. 4.....	2.25	5.00	22.50	40.00
1160 Miss Del No. 1.....	2.25	5.00	22.50	40.00
1160-A Miss. Del No. 2.....	2.25	5.00	22.50	40.00

**BUCK BRAND ALFALFA AND CLOVER SEED—(Pages 74, 75, 76)**

	15 lbs.	60 lbs.	100 lbs.
1049 Alfalfa (Hardy Northwestern).....	\$ 4.05	\$15.60	\$25.00
1050 Alfalfa (Buck Brand).....	4.00	15.00	24.00
1051 Alfalfa (Dakota 121).....	4.20	16.20	26.00
1052 Alfalfa (Hairy Peruvian).....	4.00	14.40	23.00
1067 Alfalfa (Hardy Utah).....	4.20	16.20	25.00

Write for our special 20-page booklet, "How to Grow Alfalfa."

1053 Red Clover (Buck Brand).....	5.25	19.80	32.00
1054 Red Clover (Mammoth).....	5.55	20.40	33.00
1055 Clover (Alsike).....	4.35	16.80	27.00
1057 Clover—W. B. (Sweet M. A.).....	1.80	6.60	9.50
1056 Clover (White Dutch).....	5.10	19.80	32.00
1061 Lespedeza .....	2.70	9.60	16.00
1066 Hop Clover .....	4.35	16.80	27.00
1062A Hulled Burr Clover.....	3.30	12.00	19.00

**BUCK BRAND GRASS SEEDS—(Pages 72, 78, 79)**

	10 lbs.	Bu.	100 lbs.
1100 Bermuda, Bu. 40 lbs.....	\$ 3.80	\$14.40	\$35.00
1101 Red Top—H. G., Bu. 40 lbs.....	3.20	12.40	30.00
1103 Kentucky Blue, Bu. 14 lbs.....	4.40	6.00	42.00
1104 Orchard, Bu. 14 lbs.....	2.50	3.36	23.00
1106 Carpet, Bu. 14 lbs.....	3.40	4.65	32.00
1107 Rye Grass, Bu. 24 lbs.....	1.70	3.85	15.00
1108 Timothy, Bu. 45 lbs.....	1.40	5.85	12.00
1111 Sudan, Bu. 40 lbs.....	1.10	4.00	8.90

**BUCK BRAND PASTURE MIXTURES—(Pages 78, 79)**

	15 lbs.	25 lbs.	100 lbs.
1112 Shady Pasture No. 1.....	\$ 3.75	\$ 6.00	\$22.00
1113 Upland Pasture No. 2.....	3.60	5.50	20.00
1114 Lowland Pasture No. 3.....	3.75	6.00	22.00
1115 Permanent Meadow No. 4.....	3.75	6.00	22.00
1116 Permanent Hog Pasture No. 5.....	3.60	5.50	20.00
1117 Permanent Lawn .....	6.30	10.00	38.00
1118 Shady Lawn .....	6.30	10.00	38.00

**PEANUTS—Bu. 22 lbs. (Page 80)**

Bags Free.

	Pk.	Bu.	100 lbs.
1177 Peanuts (Spanish) .....	\$ 0.75	\$ 2.40	\$ 9.00
1178 Peanuts (Tennessee Red).....	.75	2.40	9.00
1180 Peanuts (Virginia Red).....	.75	2.40	9.50
1179 Peanuts (Virginia White).....	.75	2.40	9.00

**VETCH—Bu. 50 lbs. (Page 81)**

1176 Vetch (Sand or Hairy).....	\$ 2.75	\$ 7.00	\$12.50
1155 Vetch (Augusta or Spring).....	1.75	6.50	10.00

**GERMAN OR GOLDEN MILLET—Bu. 50 lbs. (Page 83)**

1185 German or Golden.....	1.00	3.50	6.50
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**CANE, SAGRAIN, KAFFIR, MILO, ETC.—Bu. 50 lbs. (Page 82)**

Our Cane Seed is selected with the utmost care, but we do not guarantee any variety to produce a syrup crop.

	Pk.	Bu.	100 lbs.
1194 Japanese Honey Drip Syrup Cane.....	\$ 1.10	\$ 3.75	\$ 7.00
1195 Texas Seeded Ribbon Cane.....	1.00	3.50	6.50
1196 Sugar Drip Honey Cane.....	1.00	3.50	6.50
1197 Early Orange Cane (For Fodder).....	.75	2.40	3.95
1198 Early Amber Cane (For Fodder).....	.75	2.30	3.75
1199 Red Top Cane (For Fodder).....	.90	3.00	5.00
1212 Sagrain .....	.85	2.75	5.00
1210 Kaffir (White) .....	.75	2.25	4.00
1211 Kaffir (Red) .....	.75	2.25	4.00
1213 Milo Maize (Yellow) .....	.80	2.35	4.50
1214 Feterita .....	.85	2.45	4.75
1216 Egyptian Wheat or Shallu.....	1.75	6.00	10.00

**FIELD PEAS AND TABLE PEAS—Bu. 60 lbs. (Page 69)**

1235 Whippoorwill .....	} Write For Prices
1238 New Era .....	
1239 Black (Running) .....	
1236 Clay (Running) .....	
1240 Red Ripper (Running).....	
1237 Mixed .....	} Write for Prices

**Table Peas**

1241 Cream Crowder .....	} Write for Prices
1242 Rice or Cream .....	
1243 Extra Early Blackeye .....	
1244 White Browneye .....	
1245 White Blackeye (Large).....	
1246 Callivant or Lady .....	} Write for Prices

**SOY BEANS, VELVET BEANS, MUNG BEANS—Bu. 60 lbs.**

(Pages 80, 81) Prices subject to change.

	Peck	Bu.	5 Bu.
1224 Soy Beans (Biloxi) .....	\$ 1.00	\$ 3.25	\$15.50
1225 Soy Beans (Laredo).....	1.25	4.00	19.50
1226 Soy Beans (Ootootan).....	1.35	4.65	22.50
1227 Soy Beans (Mammoth Yellow).....	.90	3.00	14.50
1230 Soy Beans (Virginia).....	1.00	3.25	15.50
1228 Velvet Beans (Speckled).....	.75	2.50	11.25
1229 Mung Beans .....	2.25	9.60	45.00

**SEED OATS—Oats 32 lbs. to Bu. (Page 85)**

	1 Bu.	5 Bu.	25 Bu.
1275 Oats (Appler) .....	\$ 0.95	\$ 4.50	\$21.25
1276 Oats (Early Burt).....	.90	4.25	20.00
1277 Oats (Clay) .....	.95	4.50	21.25
1278 Oats (Turf)—For Fall Planting—Write for Prices.			
1279 Oats (Fulghum) .....	.95	4.50	21.25
1280 Oats (Red Rust Proof).....	.90	4.25	20.00

All Seed Oats re-cleaned free of Johnson Grass, Coco Grass, and Wild Onion.

**MISCELLANEOUS SEEDS—(Page 85)**

	Pk.	Bu.	100 lbs.
1063 Rape (Dwarf Essex), Bu. 50 lbs.....	\$1.50	\$ 5.00	\$ 8.50
2164 Broom Corn (Dwarf), Bu. 46 lbs.....	1.50	5.25	11.00
1269 Buckwheat (Silver Hull), Bu. 50 lbs.....	1.65	3.00	5.50
1268 Sunflower (Russian), Bu. 25 lbs.....	.60	2.00	7.50
1270 Broom Corn (Tenn. Evergreen).....	2.10	7.00	13.00

Please order Seeds by number prefixed to each variety. It saves your time in writing the order and our time in filling it.



## Buchanan's Insecticides

### BUCHANAN'S SPRAY MATERIALS AND INSECTICIDES—

(Pages 88, 89, 90, 91)

LIQUIDS	5 Gals.	25 Gals.	Barrel
Oil Emulsion (50 Gals. to Barrel).....	\$2.50	\$9.50	\$14.00
Lime Sulphur Solution (50 Gals. to Barrel).....	2.50	9.50	13.50
Scalecide—5 Gals., \$6.00; 15 Gals., \$13.50; 30 Gals., \$24.50; 50-Gal. Barrel, \$32.00.			

	24 lbs.	48 lbs.	96 lbs.
Arsenate of Lead.....	\$4.75	\$8.20	\$15.35
Bordeaux Mixture.....	4.35	7.20	13.50
Calcium Arsenate.....	3.00	5.50	9.00
Dritomic Sulphur.....	4.00	7.00	14.00
Sulfuron.....	3.75	6.75	13.25
Dutox (Barium Fluosilicate).....	6.00	12.00	24.00

	25 lbs.	50 lbs.	100 lbs.
Lime Sulphur Powder (200-lb. Drum \$20.00).....	\$3.50	\$6.00	\$11.00
Calcium Arsenate.....	..	..	8.50
Summer Peach Spray.....	2.50	4.00	7.50
Superfine Sulphur.....	1.75	2.75	4.00
Casein Spreader.....	5.00	9.50	17.50
Blue Stone Copper Sulphate Powder...	3.00	5.50	10.00
Blue Stone Copper Sulphate Crystals..	2.75	5.00	9.00
Bug Death.....	2.75	4.75	9.50
Hydrated Lime.....	.50	.75	1.25
Slug Shot.....	2.75	4.75	9.50
Tobacco Dust.....	1.75	3.00	5.50
Paradichlorobenzene.....	6.75	13.00	24.00
Fish Oil Soap.....	5.00	8.00	12.00

	1½ lb.	2 lbs.	10 lbs.
Black Leaf 40 (Liquid).....	\$1.25	\$3.25	\$11.85
	Qt.	Gal.	5 Gal.
Evergreen.....	\$3.50	\$13.00	\$50.00
Volck.....	1.00	3.00	12.00

## Buchanan's Imported Turnip Seed

Experience has taught us that England grows the highest quality Turnip Seed of any country in the world. Therefore we import all of our Turnip Seed from England, with the exception of Southern Seven Top and Buck-a-loo.

TURNIP (Imported from England)—Page 32

	5 lbs.	10 lbs.	25 lbs.	50 lbs.
407 Buck-a-loo (From Orient)....	\$5.00	\$9.50	\$22.50	\$42.50
402 American Red Top Globe...	2.50	4.50	9.40	17.50
401 Mam-Purple Top Globe.....	1.50	2.70	6.50	12.50
395 Large White Globe.....	1.50	2.70	6.50	12.50
399 Purple Top Strap Leaf.....	1.50	2.70	6.50	12.50
400 Seven Top (Imported).....	1.50	2.70	6.50	12.50
400A Seven Top (Southern).....	1.40	2.50	6.00	11.50

### TURNIP—(Continued)

	5 lbs.	10 lbs.	25 lbs.	50 lbs.
403 White Flat Dutch.....	\$1.50	\$2.70	\$6.50	\$12.50
404 Southern Prize.....	1.50	2.70	6.50	12.50
405 Buchanan's Mixture.....	1.50	2.70	6.50	12.50
406 Extra Early White Egg.....	1.50	2.70	6.50	12.50
411 Yellow Aberdeen.....	1.50	2.70	6.50	12.50
413 Amber Globe.....	1.50	2.70	6.50	12.50
418 Rutabaga (Im. P. T. Yellow).....	1.65	3.00	7.00	13.00

## Buchanan's Fertilizers

Write for Prices on Carlots

### BUCHANAN'S FERTILIZERS—(Pages 92, 93)

	100 lbs.	Ton.
Buchanan's Truck Grower—4-8-4.....	\$2.25	\$37.00
Buchanan's Cotton Grower—3-10-3.....	2.00	34.00
Buchanan's Acid Phosphate, 16%.....	1.40	23.00
Super Phosphate 20%.....	1.75	28.00
Buchanan's Steam Bone.....	3.25	55.00
Arcadian Nitrate of Soda.....	3.00	55.00
Buchanan's Sheep Manure.....	2.25	35.00
Buchanan's Sulphate of Ammonia.....	3.25	58.00
Buchanan's Muriate of Potash, 50%.....	3.25	58.00
Buchanan's Agricultural Lime (Powdered).....	1.25	16.00
Bloom Aid .25-lb. Bag \$1.75; 50-lb. Bag \$2.75.....	5.00	90.00
Fairway .25-lb. Bag \$1.75; 50-lb. Bag \$3.00.....	5.00	90.00

## Buchanan's Poultry Supplies

### POULTRY FEEDS AND SUPPLIES—(Page 96)

	25 lbs.	50 lbs.	100 lbs.
Chick Growing Mash—Conkey's.....	\$1.15	\$2.20	\$4.25
Chick Starter—Conkey's Buttermilk.....	1.40	2.75	5.00
Beef Scraps—Darling's.....	1.40	2.75	5.00
Bone Meal.....	1.30	2.50	4.50
Powdered Limestone for Poultry and Stock.....	.75	1.10	1.50
Oyster Shell (Medium or Coarse).....	.50	.75	1.10
Poultry Grit.....	.50	.75	1.20
Charcoal (Fine or Medium).....	1.00	1.75	3.50

### DOG FOODS—(Page 95)

	25 lbs.	50 lbs.	100 lbs.
Peerless Dog Food (Meat-Cereal).....	\$1.65	\$3.00	\$5.50
Peerless Puppy Food (Meat-Cereal)....	1.65	3.00	5.50
Ken-L-Ration (Canned Meat), Case 48 1-lb. Cans.....	..	..	5.95
Hem-O-Ration (Canned Meat), Case 48 1-lb. Cans.....	..	..	5.95

### BIRD SEED—(Page 95)

	10 lbs.	25 lbs.	50 lbs.
Recleaned Canary.....	\$1.25	\$2.75	\$5.00
Sweet Bird Rape.....	1.25	2.75	5.00
Mixed Bird Seed.....	1.25	2.75	5.00

## Frost Proof Cabbage Plants

Our Frost Proof Cabbage Plants are grown along the Atlantic Coast line of the Carolinas, where the most hardy cabbage plants known are grown. It takes time to get them from so far away; however, we are prepared to ship your order out of Memphis if you are in a hurry, for the grower who catches a good spell of weather, gets his cabbage plants promptly and sends his cabbage to market before the other fellow, is the grower who is going to make money on cabbage this year.

By Express from Memphis—Not Prepaid.....5,000, \$8.75; 10,000, \$15.00; 25,000, \$35.00

By Express from Growing Station—Not Prepaid.....5,000, \$6.25; 10,000, \$10.00; 25,000, \$23.75

## Buchanan's Bermuda Onion Plants

See Page 3—Instructions for Planting, Cultivating and Harvesting

We are bringing these Onion Plants to Memphis in car lots from South Texas, where they are grown, and can make you very low prices on large quantities. Wire or phone when ready to buy. Packed 6,000 to crate.

Price at growing station, shipped direct to you, Not Prepaid.

Yellow Bermuda.....Crate, \$4.20; 5 Crates, 30,000, \$19.50

Crystal White Wax.....Crate, \$4.50; 5 Crates, 30,000, \$21.00

## Buchanan's Certified Sweet Potato Plants

See Page 4 for Descriptions and Varieties

Price Shipped from Growing Station—Not Prepaid.....1,000, \$3.25; 5,000, \$13.75

Wire or phone for prices when ready to buy in large quantities.

Please order Seeds by number prefixed to each variety. It saves your time in writing the order and our time in filling it.



R.B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

## HARDY CLIMBING ROSES

**PRICES**—All Climbing Roses, except when priced with description, Post Paid:

One year old—each, 40c; 3 for \$1.00; 6 for \$1.75; 1 dozen, \$3.25

Two year old—each, 75c; 3 for \$2.00; 6 for \$3.50; 1 dozen, \$6.25

**DR. W. VAN FLEET**—Pink—The flesh-pink climbing rose. No other climbing Rose has ever created such favorable comment as Dr. W. Van Fleet, for the flowers are so perfect in every way—form, color, delicate fragrance—and borne on such long, strong stems. Cut a bouquet of this variety just before the flowers open and you will find difficulty in procuring any other Roses to compare with them in sheer loveliness. When fully established you can expect several canes 10 to 15 feet long every season, and these canes will produce masses of Roses the following June.

**SILVER MOON**—White—The grandest white climbing Rose. Flowers are very large, semi-double, and when open resemble a white clematis with a center of golden anthers. A most vigorous grower with large, dark green, shiny foliage.

**AMERICAN BEAUTY**—Red—Color rosy crimson, exquisite fragrance, a quality rarely found in climbing Roses. Of strong habit of growth. Flowers 3 to 4 inches in diameter, finely formed on long stems, are produced in great profusion and are splendid for cutting.

**CLIMBING COLUMBIA**—(A Remarkable New Climbing Rose.) It is identical with the great "Columbia," having all the parent's desirable features and in addition it is a wonderful climber, growing ten to fifteen feet in a single season. Blooming, as it does, continuously, bearing blooms of immense size, often measuring six inches in diameter, this at once becomes the greatest of all pink, hardy, ever-blooming, climbing Roses. Color is the same as "Columbia," glowing pink, fragrance delicious. A most remarkable Rose. Each, 1 year, 50c; 2 year, \$1.50.—Post paid.

**PAUL'S SCARLET CLIMBER**—Vivid scarlet shaded slightly crimson, but almost a flaming scarlet, a most pleasing and striking color. Makes a brilliant display for a long time in the garden. The petals do not fade like many climbing Roses, but retain their bright color, and remain in bloom for from two to four weeks. The Rose received the gold medal and cup for the best Climbing Rose at the National Rose Society's exhibit. Each, 1 year, 50c; 2 year, \$1.00.—Post paid.

**EMILY GRAY**—In this we have a real yellow climbing Rose as hardy as Dr. Van Fleet. The buds are long and pointed, of splendid shape; in color a beautiful light orange-yellow, changing to pale orange as they expand; they are borne on stiff stems of sufficient length for cutting; these stems are of a crimson-red color, which, together with the unusually dark green, glossy, holly-like foliage, adds a charm to the flowers and makes the plant, even when out of bloom, a most ornamental subject. Each, 1 year, 50c; 2 year, \$1.50.—Post paid.

### THE NEW ROSE

## MARY WALLACE

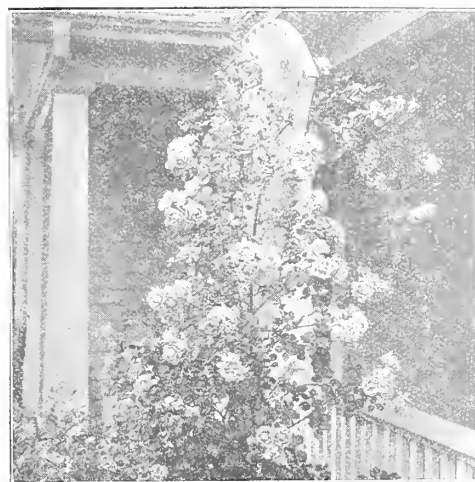
**MARY WALLACE**—Pillar Rose type. Makes a fine, strong, self-supporting Rose 6 to 8 feet high, with large, glossy foliage, resistant as Bell to all diseases. Blooms with great freedom in spring, and bears a considerable number of fine buds in summer and fall. Flowers well formed, semi-double, bright, clear rose-pink, with salmon base to the petals. Largest in size of any Wichuriana hybrid, generally exceeding 4 inches in diameter.

Price—1 year plants, 60c each; 2 year plants, \$1.00 each, post paid.

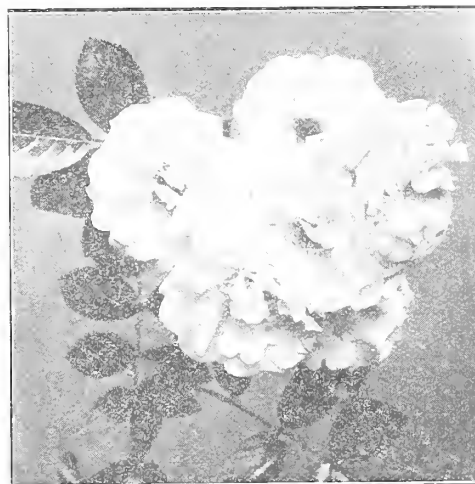
## MARECHAL NEIL

### THE FAMOUS ROSE

The fame of the superb yellow Rose, Marechal Neil, with its large, deep, golden-yellow flowers, is world-wide. It is almost universally held to be the finest Rose for indoors or outdoors, where the climate admits of its cultivation. Its magnificent golden-yellow flowers are almost massive in dimensions, and reports from growers tell of single plants showing one to two thousand blooms at a time. It is of strong growth and beautiful foliage. It is grand in petal, shape, color, fragrance, lasting qualities and size, an extremely free bloomer, and flowers throughout the season. Contrary to many Roses, which lose their color after opening, Marechal Neil decidedly improves and takes a deeper yellow after being kept for a day or two. The tea fragrance is strongly present in this Rose. It is a variety which practically stands by itself. Price, 50c each; two year old plants, \$1.00 each. Post paid.



Dr. W. Van Fleet



Mary Wallace



Marechal Neil

All Roses listed on this page are delivered transportation paid in the U. S. or possessions. Order Early.



## Buchanan's Flowering Plants

Plant orders, including collections, cannot be shipped after June 1st so please do not order after May 20th. Plant orders are always filled separately from seed orders, seeds being sent first, and plants sent as soon as season permits digging and shipping. We won't ship plants in extremely cold or in hot weather and cannot send them outside of the United States.

For Shrubs, Evergreens, Fruit and Shade Trees, Vines, Berries and Nursery Stock see pages 57 to 65.

### All Prices on this Page Post Paid

**AGERATUM—Blue**—Showy blue flowering plants for beds, borders, edging, boxes. Profuse flowering all summer until frost. 20c. 3 for 55c. 12 for \$1.80.

**ANTIRRHINUM—Snapdragon**—Our rich colored, giant flowering Snapdragons on large spikes bloom continuously. Their lasting qualities as cut flowers make them unrivaled and may be grown in beds, borders or pots. Order by variety name. Firefly, scarlet. Butterfly, soft bronze. Snowflake, snow-white. Rose Queen, flaming pink. Golden King, mammoth yellow. 20c. 3 for 55c. 12 for \$2.00.

**SPECIAL OFFER**—One Snapdragon plant each of the 5 colors, 85c. Five each of the 5 different colors, 25 plants in all, only \$3.75.

**AQUILEGIA—Columbine**—The distinct, clear cut foliage and delicate arrangement of flower colors in Columbine make it a showy and very desirable hardy garden plant. Especially suitable for rock-work, at the base of walls and under trees. It blooms each year in April, May and June in the South, long spurred flowers on graceful stems, grand for cutting. Ours is the finest strain of this popular hardy perennial and these plants are of noteworthy hybrids in shades of pink, lavender, white, yellow and cream. Mixed colors. 25c. 3 for 70c. 12 for \$2.50.

**ASPARAGUS SPRENGERI**—Also called Emerald Feather. A magnificent porch or basket plant in the South. The fronds or leaves grow 4 to 5 feet long. Hundreds of magnificent plants of this are seen every summer on the porches in Memphis, and when cold weather comes it makes a splendid house plant. It succeeds under almost any conditions. 25c. 3 for 70c. Large Plants, 45c. 3 for \$1.25. Extra large, 60c each.

**ASPARAGUS PLUMOSUS NANUS**—The delicate climbing Lace Fern. Grown for its delicate lace-like foliage, whole greenhouses being devoted to its culture. Even more beautiful and graceful than Asparagus Sprengeri for pot and basket planting. 25c. 3 for 70c. Large Plants, 45c. 3 for \$1.25. Extra large, 60c each.

**BOSTON IVY—Ampelopsis Veitchii**—One of the most attractive strong growing vines of all and does well planted on the north and east sides of houses almost anywhere in the Cotton Belt and further north. The vines are covered with clinging tendrils that cling closely to walls, chimneys, etc. Makes a solid mass of dense, dark green, turning to brightest shades of crimson, red and yellow after being touched with frost. 25c. 2-year plants, 75c. Extra strong 2-year plants, \$1.25.

### FLOWERING BEGONIAS

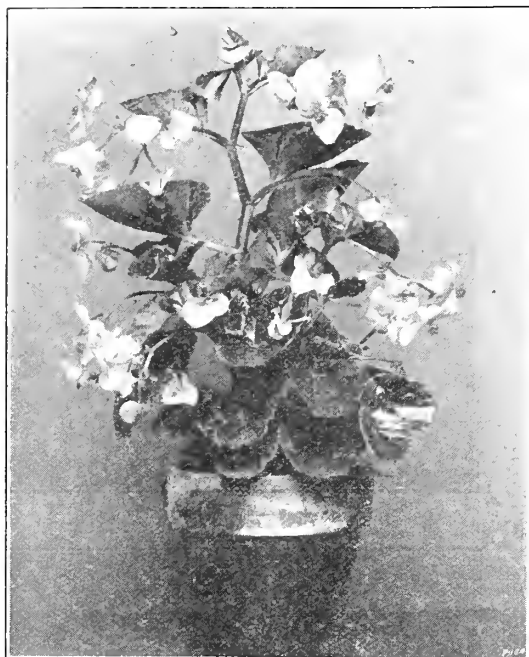
**CHATELAINE SUPREME**—New Everblooming Begonia. Finest bloomer known; low bushy habit and literally covered the entire year with a wealth of beautiful Christmas-red flowers and yellow stamens. 35c. 3 for \$1.00.

**BUDDLEIA**—Everblooming Butterfly Bush—The name Butterfly Bush was applied to it because it seems to attract butterflies in large numbers. This shrub from a young plant will mature to full size the first summer, producing a handsome bush about 4 feet high. It produces long, graceful stems, which terminate in tapering panicles of beautiful lilac-colored flowers that are of miniature size and borne by the hundreds on a flower head which is frequently ten inches long. A single plant the first season will throw out as many as fifty flower spikes. The year after planting, it generally commences to flower in June and continuing each season until severe frosts nip it. While hardy cut back to 6 inches in the fall. We recommend covering the roots with manure, leaves or other suitable materials as winter approaches. 25c. 3 for 70c. Large Plants, 60c. 3 for \$1.70.

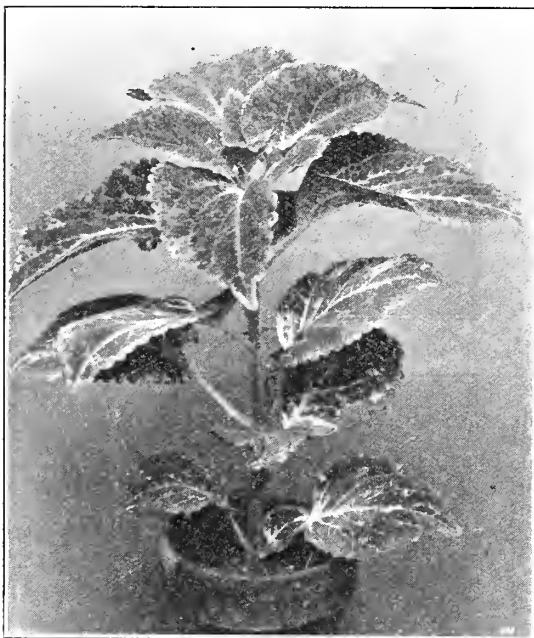
**CIGAR PLANT—Cuphea Ignea**—The old-fashioned cigar plant with numerous narrow, tubular flowers of scarlet tipped with purple. Popular because always in bloom. Bright and attractive. Grows bushy plants about 15 inches high. Strong Plants, 20c. 3 for 55c.

**CREPE MYRTLE**—A real Southern Plant and should be in every yard in the South. Our friends are delighted with this magnificent plant with lustrous green foliage. It will attract attention in any landscape. Red Crepe Myrtle. 40c. 3 for \$1.10. 12 for \$3.50.

**DELPHINIUM**—Perennial Larkspur—Exquisite large spikes of various shades of blue flowers from June until killing frost. Most popular of all blue flowers and these are finest hybrids, light blue shades predominating. All perennial gardens need Delphiniums. 35c. 3 for \$1.00. 12 for \$3.50. Large Plants, 60c. 3 for \$1.70. 12 for \$6.00.



Chatelaine Begonia



Bush Coleus

**COLEUS—Bush Coleus**—Aptly called the "garden-er's paint box." We have a superb assortment of brilliant colored varieties, fine for bedding. Used for beds in lawns and parks all over the country. These are all bush sorts. Mixed Colors. 15c. 6 for 75c. 12 for \$1.40.

**TRAILING QUEEN**—Center of leaves bright red or pink with a broad border of emerald green. Very showy for hanging baskets, window boxes or in pots, as branches hang gracefully over in festoons two to three feet long. 20c. 3 for 55c. 12 for \$1.90.

**GIANT CHRISTMAS GEM**—Leaves immense, 8 to 12 inches long; cannot be excelled as a pot plant. Grows 2 to 3 feet high with huge leaves of bright carmine, shading to deep maroon with margins of yellow and green. 30c. 3 for 80c.

All plants listed on this page are delivered transportation paid in the U. S. or possessions. Order Early.



# Buchanan's Chrysanthemum Collection

All Prices on this Page Post Paid

**12 Superb Exhibition Varieties—Postpaid for \$2.00.**

**SILVER SHEN**—Pure white, incurved form. Excellent keeper. Each 20c. 3 for 55c. 6 for \$1.05. 12 for \$2.00.

**SUN GLOW**—A bright yellow of a tight incurved form. Flowers are good and carried on a good stem with plenty of foliage. Each 25c. 3 for 70c. 6 for \$1.30. 12 for \$2.25.

**TIGER**—The easiest of all yellows to cultivate. Flowers are always double and excellent color. Very sturdy stems with fine foliage. Each 20c. 3 for 55c. 6 for \$1.05. 12 for \$2.00.

**BETSY ROSS**—This variety is very highly praised by the commercial grower. Pure white incurved flowers of the largest size. Each 25c. 3 for 70c. 6 for \$1.30. 12 for \$2.25.

**ENCHANTRESS**—Bright rose pink of a very even shade. Very early. Each 20c. 3 for 55c. 6 for \$1.05. 12 for \$2.00.

**CHAS. RAGER**—A pure white incurved. Good flowers, stems and foliage. Each 20c. 3 for 55c. 6 for \$1.05. 12 for \$2.00.

**J. W. PRINCE**—A wonderful dark pink. Flowers large and full, good stems and foliage. Each 25c. 3 for 70c. 6 for \$1.30. 12 for \$2.25.

**RICHMOND**—A bright golden yellow of perfect form and fine finish. This is one that any grower of Chrysanthemums should not be without. Each 25c. 3 for 70c. 6 for \$1.30. 12 for \$2.25.

**WHITE CHIEFTAIN**—A fine white incurved with a trace of pink at times. Fine grower. Each 20c. 3 for 55c. 6 for \$1.05. 12 for \$2.00.

**GOLDEN KING**—A beautiful yellow of finest incurved form. Large massive flowers. May need protection from early frost. Each 25c. 3 for 70c. 6 for \$1.30. 12 for \$2.25.

**GLADYS PEARSON**—A new shade of yellow. Tall grower, good foliage and perfect flowers. Will need protection the same as Golden King. Each 20c. 3 for 55c. 6 for \$1.05. 12 for \$2.00.

**GLORIOUS**—A wonderful light pink flower that is really glorious. Each 25c. 3 for 70c. 6 for \$1.30. 12 for \$2.25.

**CYPERUS ALTERNIFOLIUS—Umbrella Plant**—This is a plant of the easiest culture and a large specimen is as handsome as a palm for decoration. It makes a handsome pot plant or can be used in baskets or vases. It will grow luxuriously in water, and is, therefore, indispensable for aquariums or fountains. 20c. 3 for 55c. 12 for \$2.00.

**DRACENA—Indivisa**—Beautiful pot, vase and basket plant with long slender leaves, the lower ones droop gracefully. The leaves of several shades of green with delicate stripings of yellow and red gives it the name of "Fountain Plant." 20c. 3 for 55c. Large Plants, 40c. 3 for \$1.10.

**FERNS—Boston Fern**—Every house ought to have one or more of these splendid decorative plants for the porches in summer or indoors in winter; easily grown. We have some beautiful specimens of this in our own home. The fronds frequently attain a length of five to six feet. Many call it the "fountain fern" on account of its graceful drooping habits. We use it as a house plant in winter and under shade trees in summer. Every one who sees these ferns admires them and wants to know how to get them. This is a standard and most popular variety. 30c. Large Plants, 60c and 90c each.

**"OSTRICH PLUME"**—It has taken gold medals wherever shown and we consider it one of the most valuable ferns introduced in many years. The large decorative fronds are made up of many leaflets that are themselves finely divided and really, it is a charming fern. 35c. Strong Plants 85c.

**HIBISCUS**—We have found the Chinese Hibiscus one of the most satisfactory of all plants for open ground culture in summer and as a house plant in winter. In Florida and the Gulf Coast section they are all well adapted to open ground plantings, and can be trimmed to any shape desired or used as a hedge.

**NEW PINK HIBISCUS—"Peachblow"**—Double flowers, 4 to 5 inches across; of a charming, rich, clear, pink color, with small, deep crimson center. Blooms abundantly during the summer and fall months. Older plants, 2 to 3 years old, make a magnificent show. It blooms well in the winter in any sunny window. 30c. Large Plants, 60c each.

**BABY'S BREATH FERN**—This is the most delicate of all lace ferns. It really looks like filigree work. In many respects it is a far better and more ornamental variety than any of the others. It looks to us like the finest of all dish ferns. 40c. Large Plants, 65c and 90c each.

**FUCHSIAS**—The following list of Fuchsias is made up of right varieties for the South. The writer thinks they are the most interesting, attractive and charming flowers grown.

**BLACK PRINCE**—Finest for the amateur grower; very hardy free bloomer with buds of beautiful waxy carmine or pink color. 25c. 3 for 70c.



Enchantress Chrysanthemum



Gladys Pearson Chrysanthemum



Boston Fern



## Lantanas, Verbenas, Hardy Phlox

All Prices on this Page Paid

**HANGING BASKET COLLECTION**—You will find many places for Hanging Baskets, on your porch, in your yard and in your house. We offer you here a beautiful collection of twelve plants to fill a hanging basket and these graceful and decorative plants are especially suitable for this purpose. The plants will be of our selection, such as Boston Fern, English Ivy, Lantana, Asparagus Sprengeri, Wandering Jew, Double Geranium, Variegated Vinca, Single Geranium, Coleus, Single Petunia.

**Special Offer**—These 12 Plants, Our Hanging Basket Collection, for \$2.25.

**HELIOTROPE—Midnight**—This new giant flowered, sweet scented variety is of darkest lavender color and a wonderful variety. Great favorite for bedding, its delightful fragrance giving it a foremost position among fragrant flowers. Plants bear immense blooms in a color so rare among bedding plants. 25c. 3 for 70c. 12 for \$2.35.

**HONEYSUCKLES**—The flowers are sweet-scented and the growth luxurious. They make wonderful growth and last for years. Splendid for covering fences, stumps, arbors, etc.; fragrant and pleasant, attractive, in perfect taste on practically any lawn and especially easy to grow, requiring little or no cultivation. Each 25c. 4 for 90c.

**LANTANA—Bedding**—One of the best bedding plants, affording a great variety of colors. They make splendid specimen plants for window and porch boxes and in the lawn as well. Their free-blooming habit has made them extremely popular for pot plants. These are called "Perpetual Blooming," the unexcelled everblooming bedding plants. Colors range from pure white to yellow, crimson, purple-vermilion, pink and variegated rose and yellow. Mixed, 25c. 3 for 70c. 12 for \$2.40.

**LANTANA—Weeping**—New weeping plant of great beauty. Graceful, drooping habit, growing very rapidly and blooming continually summer and winter. Produces large clusters of lilac flowers over a beautiful dark green foliage. Easily grown and gives wonderful satisfaction in pots, boxes and hanging baskets. 25c. 3 for 70c. 12 for \$2.40.

**LEMON VERBENA**—This splendid plant ought to be in every plant collection in the South. It is well adapted to our section and has the greatest fragrance of any plant grown. This fragrance is entirely that of the lemon, hence its name. One large plant will scent an entire yard. 25c. 3 for 70c. 12 for \$2.50.

**MOONFLOWER—Giant White**—A giant in growth and in size of flowers and is wonderfully fragrant. A decided improvement over the old White; flowers being nearly twice as large, often over six inches across, and practically covering the whole vine. Growth is very rapid in light, rich soil and wonderful for shading porches. 20c. 3 for 55c. 12 for \$2.00.

**PANSIES**—One of the most satisfactory plants and our Emperor Pansies are the best the world produces. They are the choicest large-flowering sorts, both of European and American growers. It has been our grower's aim to make this the finest strain of this favored flower in existence. We have a large assortment and can supply you in any quantity you may want. 15c. 3 for 40c. 6 for 75c. 12 for \$1.25.

### HARDY PERENNIAL PHLOX

**LAVEGENE**—Pinkish salmon, tall, showiest of all, many spikes. 30c. 3 for 80c. 12 for \$3.10.

**BRIDESMAID**—Pure white, clear carmine eye. Large round heads. 30c. 3 for 80c. 12 for \$3.10.

**MISS LINGARD**—Pearly white, faint yellow eye. Remarkable bloomer. 2 or 3 crops a season. Superb cut flower. 30c. 3 for 80c. 12 for \$3.10.

**MRS. JENKINS**—White. Splendid for mass planting. Blooms early and profusely. 30c. 3 for 80c. 12 for \$3.10.

**PANTHEON**—Large, clear, deep, bright pink with faint halo; charming variety of Phlox. 30c. 3 for 80c. 12 for \$3.10.

**RHEINLANDER**—New great beauty. Rare shade of salmon-pink with distinct claret-red eye. Large. 30c. 3 for 80c.

**SPECIAL**—Phlox Offer—Any six Phlox for \$1.65. Any ten Phlox for \$2.65. One dozen Phlox, one or more varieties, \$3.10.

**RIVERTON JEWELL**—Tender peach blossom pink with bright rose eye and suffusion. Extra large; erect. 30c. 3 for 80c.

**R. P. STRUTHERS**—Clear cherry-red, suffused with salmon shades; deep red eye. The best Phlox grown. 30c. 3 for 80c.

**RYNSTROM**—Medium tall, most exquisite pink. 30c. 3 for 80c. 12 for \$3.10.

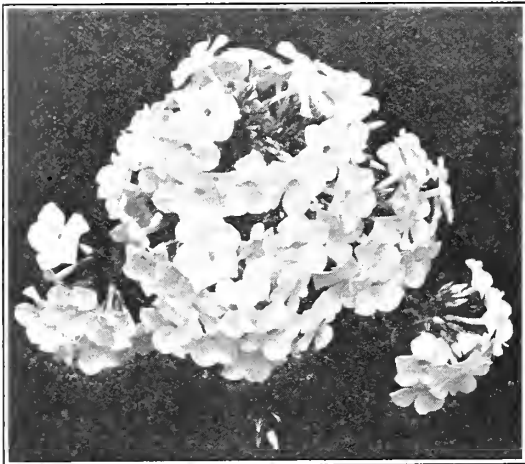
**SIEBOLD**—Red. A brilliant and very striking variety and a wonderful color. 30c. 3 for 80c. 12 for \$3.10.

**SUNSET**—Beautiful orange-red. One of the finest and most showy with its glowing color. 30c. 3 for 80c. 12 for \$3.10.

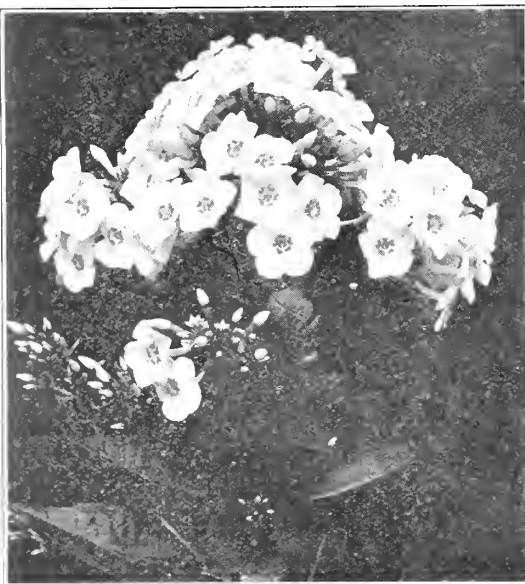
**THOR**—Deep salmon-pink suffused scarlet. Light halo around aniline red eye. Very effective. 30c. 3 for 80c. 12 for \$3.10.



Bedding Lantana



Mrs. Jenkins Phlox



Bridesmaid Phlox

All plants listed on this page are delivered transportation paid in the U. S. or possessions. Order Early.



## Buchanan's Petunias, Salvia Geraniums

All Prices on this Page Post Paid

### SINGLE BEDDING PETUNIAS

**ROSY MORN**—The plants are bushy and compact, the medium size flowers, produced in great abundance throughout the entire summer and fall are of a most pleasing clear pink, contrasted by a broad white throat. A splendid sort for porch boxes, pots and beds. 15c. 3 for 40c. 6 for 75c. 12 for \$1.50

**STRIPED AND BLOTCHED**—A good strain of the small-flowering type; beautifully striped and blotched flowers; fine for massing. 15c. 3 for 40c. 6 for 75c. 12 for \$1.50.

**PETUNIAS**—A splendid assortment made up of California Giants and our Ruffled Giant Petunias in a wonderful assortment of colors and forms. These are the most beautiful of all Petunias. 20c. 3 for 55c. 12 for \$2.00.

**PINKS**—Hardy Scotch or Old-Fashioned—All-round favorites in the South. These are the Pinks of our mothers' gardens. Fine for beds, edging and porch boxes. These come in all colors and no old-fashioned garden or bed is complete without the beautiful Sweet May Pinks. 25c. 3 for 70c. 12 for \$2.50.

**CHINESE**—New Hardy Pink fine for cemetery as well as home planting. 25c. 3 for 70c. 12 for \$2.50.

**PLUMBAGO CAPENSIS**—This flower is a great favorite and is easily grown in open ground almost everywhere in the South. No collection of flowers should be without one or more plants of Plumbago Capensis, giving as it does an abundance of lovely sky blue flowers. 25c. 3 for 65c. 12 for \$2.50.

**PORCH BOX COLLECTION**—This splendid assortment will save you much trouble and expense in filling your window or porch boxes and urns. Nicely balanced and in good taste. Our selection of 12 plants, such as Water Ivy, Wandering Jew, Ostrich Fern, Boston Fern, Vinca, Ivy Geranium, Coleus, Petunia, Begonia, Verbena, Geranium, Feverfew, Asparagus Sprenger, Russellia, Hibiscus. This collection for only \$2.35.

**SALVIA**—Scarlet Sage—See illustration of Salvia in the flowerseed section. No plant is more popular in the South than the Salvia for bedding. In late summer and fall up to the time frost comes it is a mass of blooms, and in the case of the scarlet varieties it makes a mass of fiery red unequalled by any other flower on our list. Some of our customers buy them by the hundreds for bedding purposes. 20c each. Any 3 for 50c. 12 Salvia plants, any kind for \$2.00.

**SCARLET SPLENDENS**—Standard fiery scarlet. 20c. 3 for 50c.

**BLUE**—Perennial—Very beautiful. 20c. 3 for 50c.

**AMERICA**—Splendid new dwarf Salvia. Compact bush completely covered with rich scarlet flowers. Wonderful bedding variety. 20c. 3 for 50c.

**ST. LOUIS**—Almost double; long spikes; rich red. 20c. 3 for 50c.

**ZURICH**—Dwarf red and a splendid bloomer. 20c. 3 for 50c.

**SHASTA DAISY**—Burbank's—One of the marvelous productions in the flower line. Extremely hardy perennial with large, free-blooming flowers that last 2 weeks after being cut. 30c. 3 for 85c. 12 for \$2.75.

**SWEET WILLIAM**—Beautiful summer bedding plant, produces masses of velvety crimson-scarlet double flowers. See description and picture in flower seed section. 25c. 3 for 70c.

**SWEET PEA**—Mixed—Hardy Perennial—Free flowering, extremely attractive, hardy type of Sweet Pea with similar pink flowers that stay in bloom all summer. Lives for one year in freezing climates, for a number of years in California, Florida and other such climates, making a heavy, self supporting vine growth covered with bloom. 50c. 3 for \$1.25.

**VINCA**—TRAILING—Variegated Periwinkle—Variegated yellow on green foliage. One of the finest trailing vines for hanging baskets, vases and boxes. Blue flowers. 20c. 3 for 55c. Larger Plants, 35c. 3 for 95c.

**WANDERING JEW**—Fine trailing plant and extremely popular for hanging baskets and window boxes. Rapid grower, two-color foliage and indispensable. 20c. 3 for 50c. 12 for \$1.90.

**WATER HYACINTH**—Beautiful plant for growing in water vessels and in ponds in lower South. Curious shining green leaves, exquisite spikes of lavender or lilac-rose flowers, resembling Hyacinths. Plants in soil under shallow water. 30c. 3 for 55c.

**WAX PLANT**—Pink Flowering—Especially suitable for covering banks, rock-work, for use in hanging baskets and pots. Of bushy growth, free flowering, beautiful pink flowers. Wax-like appearance. 25c. 3 for 70c.

**WISTARIA**—Chinese—Splendid climber for porch shade. When in full bloom truly magnificent with its masses of flowers in long drooping racemes like bunches of grapes. See illustration of this most attractive hardy climber. Very popular throughout the South. 35c. 3 for \$1.00. Grafted Plants, \$1.50.



Jean Viaud Geranium



Water Hyacinth

**DAHLIA FLOWERED—ZINNIA PLANTS**—Mixed Colors. Each 20c. 3 for 55c. 6 for \$1.05. 12 for \$2.00.

### GERANIUMS

**JEAN VIAUD**—Deep Pink—A splendid shade of deep rose-pink with distinct white blotch in the center. Habit of growth dwarf and compact. Produces flowers in quantity. Best pink Geranium for bedding yet introduced.

**S. A. NUTT**—Very large truss of deep crimson-black blossoms and elegant foliage. Highly prized.

**HELEN MITCHELL**—Clear, light, brilliant scarlet. Sometimes semi-double.

**MADAME BUCKNER**—White—The best white Geranium.

25c. 3 for 65c. 6 for \$1.25. 12 for \$2.25.

# BUCHANAN'S

## IMPORTED FLOWERING BULBS

### FOR SPRING AND AUTUMN PLANTING



## Buchanan's Giant Dahlias

**Time of Planting**—Dahlias can be planted at any time after danger of frost is over and should blossom in from six to eight weeks. It is always best to wait until the ground becomes thoroughly warm. Locality, whether your spot is sheltered or open, earliness or lateness of the season, and the time when your crop of flowers is desired, all influence planting.

**Planting**—Plant bulbs in hills or drills, laying them flat down, six inches deep. Do not stand the bulbs on end. If bulbs are planted flat down, six inches deep, no matter how dry the season, the bulbs will receive sufficient moisture to keep them growing. If planting with manure cover it an inch or so before planting bulbs. Fertilizer should be thoroughly worked into the soil.

**Cultivation**—Cultivation is the most important of all operations to insure success. Keep the soil well cultivated and free from weeds; never allow the soil to crust.

**Care of Plants**—Give thorough cultivation, deep at first, once a week until the plants commence to flower. Then do not cultivate as new roots are forming and you might cut off the new tubers, weakening the growth of the plant. Stir the soil after each rain to keep it from forming a crust on the surface or baking and conserving the moisture in the soil. This avoids the necessity of watering.

After the plant commences to show itself above the ground, prevent cut worms and other pests by use of arsenate of lead.



Eliza Clark Bull Dahlia



Jersey's Mammoth Dahlia

### Named Varieties

		Ea.	Doz.	100
982	<b>MINA BURGLE.</b> Flowers of gigantic size. A most glowing brilliant scarlet.	.50	5.00	35.00
983	<b>MRS. IDE VER WARNER.</b> One of the best known of recent introduction and it is truly a remarkable Dahlia. It is a refined mauve pink, beautifully formed, exquisite shade. Large blooms carried on long strong wiry stems, flowering early and continues to produce quantities of them until the end of season, attracting attention wherever grown or exhibited. Acknowledged by all Dahlia experts who have had the pleasure of growing it to be one of the finest Dahlias produced	.75	8.00	65.00
984	<b>JERSEY'S BEAUTY.</b> A glorious flower of eosine pink—a color difficult to adequately describe. This Dahlia has been so well advertised by its extra good qualities that it really needs very little description. It is one of few outstanding varieties and has become most popular. The flowers are large and carried high above the foliage on long wiry stem; wonderful keeper when cut, therefore good as an exhibition variety or for commercial purposes.	.75	8.00	65.00
985	<b>ELIZA CLARK BULL.</b> Immense white Dahlia. One of the largest and deepest flowers of its class and thrives especially well in the very hot weather. Excellent stem, which carries the flower well above foliage	1.00	10.00	85.00
986	<b>PAPILLON.</b> Light golden yellow suffused old rose; fine form and free bloomer.	.75	8.00	65.00
987	<b>PATRICK O'MARA.</b> The color is an unusually soft and pleasing shade of orange-buff, slightly tinged with Neyron rose. It is a strong vigorous grower and free bloomer, on long strong erect stems.	.50	5.00	35.00
988	<b>JERSEY'S MAMMOTH.</b> Color a rich golden mahogany. The largest of the Jersey family, having frequently reached fourteen inches in diameter. It is a vigorous grower and not very subject to the ravages of insects, but should be watched carefully in the early stages of its growth.	1.25	13.00	100.00
989	<b>WASHINGTON CITY.</b> Snow-white, of beautiful form and borne on long stems. Very large flowers.	.50	5.00	35.00
990	<b>THE MILLIONAIRE.</b> Very large regular decorative form. Lavender-pink tinting to white at center.	.50	5.00	35.00

### BUCHANAN'S DAHLIAS Un-named Varieties

991	WHITE	995	YELLOW	
992	RED	996	PINK	
993	PURPLE	997	STRIPED	
994	SALMON	998	ORANGE	
999	All un-named Dahlias above.			.25 2.75 18.00
	<b>BUCHANAN'S COLLECTION OF DAHLIAS.</b> One bulb each of eight separate colors.			\$1.75

All Bulbs listed on this page are delivered transportation paid in the U.S. or possessions. **ORDER EARLY.**





# Gladiolus

**CULTURE**—What a wonderful stride the Gladiolus has made during recent years. Its popularity today is exceeded by few other flowers, and it has by no means reached its limit. And there are good reasons for this popularity. Failure with it has never been known. Gladiolus will grow in any open position, where there is a fair amount of sun, and bloom well. They are not only showy in the garden, but, when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 3 to 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall.

All Prices on this Page Post Paid		1/2		
		Dz.	Doz.	100
960	AMERICA. Perhaps the most popular Gladiolus grown, immense flowers of exquisite soft pink, glistening in the sunlight as if sprinkled with diamond dust. A touch of tyrian-rose ornaments the throat. Strong grower, free bloomer, tall, well furnished spike.....	30	.50	3.50
961	MRS. FRANCIS KING. A most beautiful and vivid pink; 18 to 20 immense flowers borne on a long, strong spike.....	35	.65	4.00
962	CHICAGO WHITE. One of the leading varieties for cut flower purposes. Pure white with lavender markings in the throat; early blooming; several flowers open at one time.....	30	.50	3.50
963	SCHWABEN. Strong, erect spikes and large, well expanded flowers of a clear canary yellow; a magnificent cut flower, because the flowers all open pretty much at one time.....	30	.50	4.00
964	BARON HULOT. Full round flowers of rich velvety purple-violet, lighter in the throat, a small golden rib through the lower petals is contrastingly effective, splendid tall, well furnished spike.....	.60	1.00	5.50
965	HERADA. Blooms of immense size on tall straight spikes; the color is pure mauve, glistening and clear, with deeper markings in throat.....	.50	.90	4.00
966	MRS. FRANK PENDLETON. Immense round flowers of great substance. Coloring most attractive; vivid pink toning off blush, the lower petals being further ornamented with large velvety orange-red blotches in the throat, tall, strong grower.....	.40	.75	4.00
967	HALLEY. Delicate salmon-pink, with a slight roseate tinge, the lower petals bear a creamy blotch with a stripe of bright red through the center.....	30	.50	3.50
968	PANAMA. A grand seedling of America, which it resembles, but is of a deeper pink; flowers very large and spike long.....	.40	.75	4.50
969	WAR. A magnificent variety of rich ox-blood red; shaded with darkest crimson.....	.60	.90	5.50
971	JOE COLEMAN—Light Carmine. Deep purple feather on cream ground. 15 ruffled blooms; 7 open. Very showy and of the best.....	.40	.75	5.00
970	E. J. SHAYLOR—Rose Carmine. Rich purple feather on lower petals. Well placed, wide open, reflexed, ruffled flowers; 5 open. Strong grower.....	.30	.55	3.75



Herada Gladiolus

BUCHANAN'S COLLECTION OF GLADIOLUS  
One Bulb Each of Ten Named Varieties.....

75c

BUCHANAN'S SIX COLOR GLADIOLA COLLECTION  
GREATEST BULB VALUE EVER OFFERED; 18 BEST BULBS \$1.00 POSTPAID

3 BARON HULOT 3 CHICAGO 18 GLADIOLUS  
3 HALLEY 3 MRS. FRANCIS KING BULBS \$1.00  
3 SCHWABEN 3 AMERICA POSTPAID

## DROUGHT WARNING

Owing to the world-wide drought during 1930, I know that many crops of garden and field seeds are a total failure and many stocks will be exhausted before long.

I urge my friends and customers to place their orders now for the seeds they will need for planting the 1931 crop.

R. B. BUCHANAN.

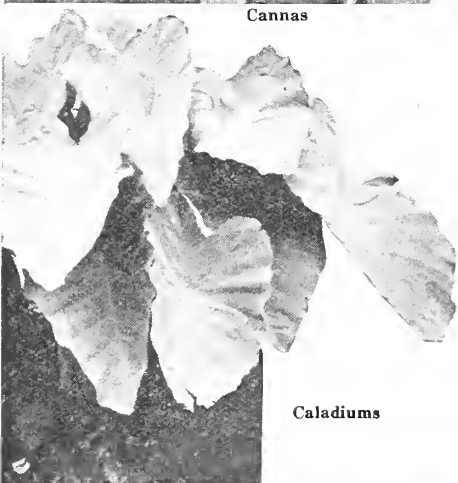


Panama Gladiolus

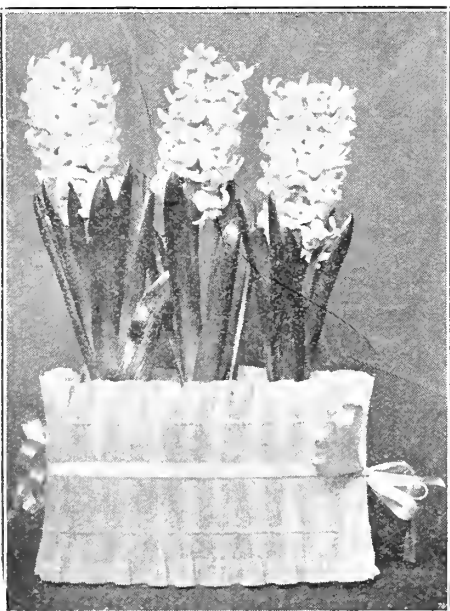
**All Bulbs listed on this page are delivered transportation paid in the U.S. or possessions. ORDER EARLY.**



Cannas



Caladiums



Hyacinths

## Cannas

No other bedding plant will give the same uniform good results in our varied and trying climate. They do well in all sections of the country and stand pre-eminently at the head of the list, succeeding in any sunny position in any kind of soil, but responding quickly to liberal treatment. For best results the beds should be spaded two feet deep and a generous amount of well-decayed manure of any kind thoroughly incorporated, and at all times supplying water freely. For best effect plant in large masses of one color, setting out the tubers two feet apart.

All Prices on this Page Post Paid		Ea.	Doz.	100
950	<b>CITY OF PORTLAND.</b> A glowing pink, deeper in color than its parent, Mrs. Alfred F. Conard, and the flowers are borne in greater profusion; height, 3½ feet; foliage green.	.30	2.75	13.00
951	<b>KING HUMBERT.</b> A brilliant orange-scarlet, with bright red shadings. Large trusses of blooms, the individual flowers being six inches in diameter. Foliage a rich red-dish bronze with lighter shadings. The finest red foliage and flowering variety grown. Height 5 feet.	.25	2.25	12.00
952	<b>YELLOW KING HUMBERT.</b> A green-leaved sport of the popular King Humbert. It has the same habit of growth and free-flowering qualities, but the flowers are bright yellow and lightly spotted with red. This is the best yellow Canna now on the market.	.25	2.25	12.00
953	<b>THE PRESIDENT.</b> Green foliage. Color bright glistening scarlet. The individual florets often measure seven inches across when open. The flowers are borne just high enough above the foliage to show the entire head. Height 5 feet.	.25	2.25	12.00
954	<b>MRS. ALFRED F. CONARD.</b> This has become the most popular pink Canna ever introduced, and it is unsurpassed for planting, either singly or in large beds. Its exquisite salmon-pink flowers are of largest size. Wonderfully profuse in blooming, large heads. Green foliage. Height 4 feet.	.30	2.75	13.00
955	<b>EUREKA.</b> This variety is the result of many years of careful hybridizing, and is the best white Canna for all purposes. A strong grower, with glossy green foliage. Height 4½ feet.	.30	2.75	13.00
959	<b>Buchanan's Collection of Canna Bulbs.</b> One bulb each of six named varieties.	\$1.15		

## Mammoth Caladium Bulbs

These are particularly fine for center of beds, giving a beautiful effect where Cannas and Scarlet Sage are planted on the outside borders. They are only the choicest and most select bulbs, producing the most massive effect with their foliage.

975	Extra Large Bulbs.	.50	5.00	.....
976	Large Bulbs.	.25	2.75	.....
977	Small Bulbs.	.15	1.50	.....

## Tuberoses

One of the most delightfully fragrant and beautiful of the summer-flowering bulbs. By skillful management a succession of flowers may be obtained all the year round. For early flowers they can be started in February or March in the greenhouse or hotbed; and for a succession they can be planted at intervals as late as July. For flowering in the open border, plant about the middle of May, or as soon as the ground becomes warm.

981	<b>Excelsior Double Pearl.</b> Pure white, double-flowering Tuberose.	.10	.75	4.75
980	<b>Armstrong's Ever-Blooming.</b> This variety blooms year after year, and has a fragrance similar to the "Jasmine".	.10	.75	4.75

## Buchanan's Imported Bulbs

### For Fall Planting

Our imported bulbs—Hyacinths, Tulips, Peonies, Narcissus, Freesia and Crocus—reach us from Holland about Sept. 1st each year and at that time we are ready with a price list on same. Write if interested.

R. B. BUCHANAN SEED CO.



## DECIDUOUS SHRUBS

A careful selection from our list of varieties will give flowers of one variety or other throughout the entire summer. The different shapes and colors of the foliage in the shrubs will also add to the beauty of the planting as well.

The shrubs we are offering are all strong, healthy, thrifty, two and three year old plants.

### ALMOND, FLOWERING—AMYGDALUS

A dwarf growing, early blooming shrub. Flowers resemble small roses, borne all along the stems in great profusion in the early spring. We can furnish pink or white, specify color desired when ordering. Price, 75c each.

### ALTHEA—HIBISCUS, ROSE OF SHARON

These are tall, upright shrubs, very desirable for southern planting. Blooms in mid-summer and continues until early fall. These shrubs are particularly valuable for hedges and screening purposes, and can be had in a variety of colors, either single or double blossoms. The following list covers the color range nicely. Price of all varieties, 50c each; \$4.50 per 10.

Anemonaeflora. Very large, double red.

Ardens. Beautiful, double violet.

Bicolor Hybrida. Double, white, purple center

Coelestis. Single, blue flower.

Compte de Hainault. Double, pinkish-white.

Jeanne d'Arc. Double. Pure white.

Rubis. Single, bright red flowers.

Totus Albus. Single, pure white.

### BUTTERFLY BUSH—BUDDLEIA

A quick-growing, graceful shrub, blooming in great profusion during mid-summer. Flowers borne on the tip of every piece of new growth and of a delicate violet in color. The tops in severe winter will freeze back to the ground, in which case the dead wood should be cut off as the plant will come again in the spring with renewed vigor. Price, 50c each; \$4.00 per 10.

### CREPE MYRTLE

A truly southern shrub well known in this section. Grows to large size, dark shiny leaves and flowers produced in panicles from mid-summer until fall. Not hardy in the North, but no southern planting should be without this. We are offering white, pink, purple and red. Please specify color wanted, for when no preference is given we ship pink, this being the old-time variety. Price, 75c each; \$6.00 per 10.

### DEUTZIA

Dwarf Deutzia (Deutzia Gracilis). Dwarf shrub of dense growth. In early spring it is covered with pure white, bell-shaped flowers. Excellent for border planting or wherever a low growing plant is desired. Price, 50c each; \$4.50 per 10.

Pride of Rochester. Popular because of its blossoms, which are large, double white, tinted rose on under side. Shrub large, blooms early. Very desirable. Price, 50c each; \$4.50 per 10.

Deutzia Crenata. Resembles Pride of Rochester, but with pure white flowers. Tall growing. Price, 50c each; \$4.50 per 10.

### GOLDEN BELL—FORSYTHIA

The earliest blooming of all shrubs. Plants are a mass of golden-yellow, bell-shaped flowers before the leaves appear. Valuable because of its early blooming. Price, 50c each; \$4.50 per 10.

### HONEYSUCKLE—LONICERA

Fragrant Bush Honeysuckle (Lonicera Fragrantissima). Sometimes called Christmas Honeysuckle. Large spreading shrub, fragrant creamy-white flowers. Strong grower and almost evergreen in this section. Price, 50c each; \$4.00 per 10.

Japanese Bush Honeysuckle (Lonicera Morrowi). Spreading shrub of medium size; small white flowers in early spring, followed by bright red berries. Price, 50c each; \$4.00 per 10.

Red Tartarian. Upright shrub; medium size, light-crimson flowers in early spring, followed by crimson fruit. Hardy and valuable for mass effect. Price, 50c each; \$4.00 per 10.

### HYDRANGEA

Hills of Snow (Arborescens Grandiflora Alba). A hardy medium height shrub. Large, roundish leaves of bright green; pure white flowers resembling the old-fashioned Snowball. Remains in bloom over a long period. Price, 75c each; \$6.00 per 10.

Large Flowering Hydrangea (Hydrangea Paniculata Grandiflora). Another old-time shrub. Flowers pure white borne in large pyramidal bunches, blooming in July and continuing until frost. A strong grower and delights in fertile soil with plenty moisture. Price, 75c each; \$6.00 per 10.

Oak Leaved Hydrangea (Quercifolia). A large growing shrub thriving in partial shade with plenty moisture. Large, dark green leaves resembling those of the Oak tree, and brilliantly colored in autumn, creamy-white flowers. An ideal shrub for southern planting. Price, \$1.00 each; \$8.00 per 10.

### JASMINUM

Italian Yellow Jasmine (Jasminum Humile). A small shrub with arching bright green branches; bright yellow flowers throughout the summer. Entirely hardy and adapted to moist, loamy soils and sunshine. Price, 75c each; \$6.00 per 10.

Naked Flowering Jasmine (Jasminum Nudiflorum). Hardy, graceful, low-growing shrub. Foliage of bright green; yellow flowers appearing in January and February before the leaves appear. Suitable for planting in cool, shady locations where other plants are difficult to grow. Price, 75c each; \$6.00 per 10.

### LILAC—SYRINGA VULGARIS

Purple Lilac. Almost too well known to need description is this old-time shrub. Dark green foliage, beautiful lavender-purple flowers, very fragrant. Blooms in early spring. Price, 75c each; \$6.00 per 10.

Common White Lilac. Similar to the purple variety in habit of growth, although not quite as rapid a grower. Flowers white, fragrant. Price, 75c each; \$6.00 per 10.

### SPIREA

Crimson Spirea (Spirea Anthony Waterer). Dwarf shrub; upright grower. Leaves bright green, frequently variegated yellow and red, flowers bright crimson grown in flat clusters at tip of branch. Nothing takes its place as a border plant. Remains in bloom a long time. Price, 75c each; \$6.00 per 10.

Bridal Wreath (Spirea Prunifolia). Medium shrub with graceful branches and good foliage. Flowers small, double white and borne in clusters all along the stems. Price, 60c each; \$5.00 per 10.

Snow Garland (Spirea Thunbergi). A dense, medium shrub. Graceful in habit of growth, light green, feathery foliage, small white flowers. Blooms early. Price, 75c each; \$6.00 per 10.

Bridal Bower (Spirea Van Houtte). The most popular of all the Spireas. A tall growing, spreading variety with drooping branches. Produces a profusion of white flowers in early spring. Desirable for mass planting and hedges. Perfectly hardy and highly desirable. Price, 50c each; \$4.00 per 10.

### SNOWBALL—VIBURNUM

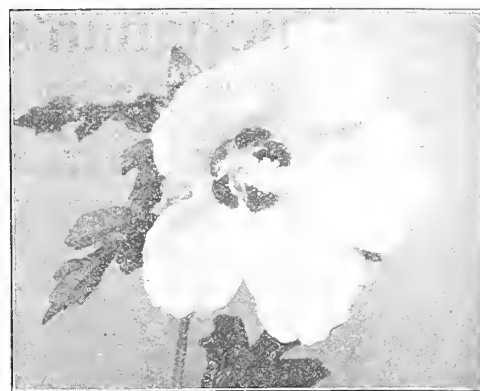
Common Snowball (Viburnum Opulus Sterile). Well known, old time favorite. Of upright growth, medium size. Flowers produced in globular clusters, pure white. Hardy. Price, 75c each; \$6.00 per 10.

Japanese Snowball (Viburnum Plicatum). Beautiful foliage, snowy-white flowers produced in large clusters. Superior to the Common Snowball in foliage and habit of growth. Price, \$1.00 each; \$8.50 per 10.

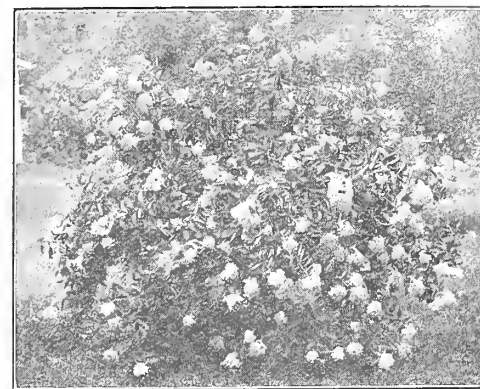
### WEIGELA

Iva Rathke. Smallest growing of the Weigelas. Flowers deep glowing red and very beautiful. Price, 75c each; \$6.00 per 10.

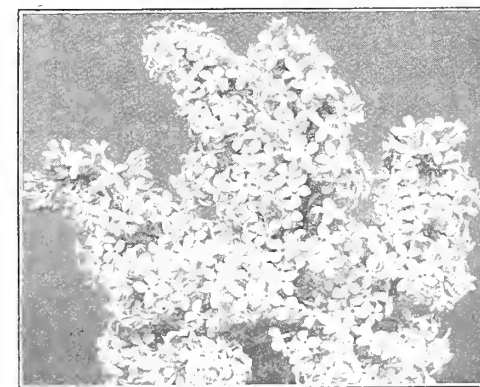
Tosa. The most popular Weigela known. Flowers bell-shaped, deep pink borne in abundance along arching stems. An early bloomer and very desirable. Price, 60c each; \$5.00 per 10.



Althea—Rose of Sharon



Hydrangea



Lilac



Weigela



# Buchanan's Coniferous Evergreens

The principal value of the Coniferous Evergreens is that they retain their foliage and color throughout the winter. In the list will be found green of every shade as well as blue, gold and gray.

The Coniferous Evergreens are valuable both for foundation planting and to be used on the lawn as specimen plants. Pleasing effect may be secured by the planting of tall or pyramidal formed evergreens at corners and between windows, small growing or more dwarf varieties should be planted immediately in front, tying the house and the planting into the lawn. For foundation work the best of the tall growing varieties are the Pyramidal Arborvitae, English and Irish Juniper; and for the foreground, Dwarf Golden, Bonita and Globe Arborvitae, Pfitzeriana, Stricta and Tamariscifolia Junipers are the best, while Cedrus Deodora and American Hemlock make the two best plants for specimen work on the lawn. It is not advisable to plant Coniferous Evergreens in shady locations, as they require plenty of sunshine to bring out the best in them, both in color and form.

All of the Evergreens we offer will be shipped with a ball of earth and burlap around each individual plant. In planting, the burlap and earth should be left around the plant and the ball of earth must be left undisturbed. Can ship either freight or express—cannot ship Parcel Post.

## Arborvitae

**Dwarf Golden (Biota Aurea Nana).** A dwarf, cone-shaped, compact growing variety. Foliage green with distinct golden tinge. Admirably suited for small gardens, cemetery lots, window boxes and tubs. Price, 12 to 15 inches, \$2.00 each; 18 to 24 inches, \$3.00 each.

**Pyramidal Golden (Biota Aurea Conspicua).** Of pronounced pyramidal habit of growth; foliage a deep golden yellow and the most attractive of all the pyramidal Arborvitae. Price, 18 to 24 inches, \$2.25 each.

**Bonita.** Similar to the Dwarf Golden in habit of growth, but a good solid green in color. Suitable for the same purposes as the Dwarf Golden Arborvitae, listed above, and very popular. Price, 18 to 24 inches, \$2.50 each.

**Chinese (Biota Orientalis).** Pyramidal in form, compact growth and a bright green in color, which it holds well into the winter. Valuable where a tall growing evergreen is wanted. Price, 2 to 3 feet, \$2.00 each; 3 to 4 feet, \$3.00 each.

**Globe (Thuja Occidentalis Globosa).** A compact, dwarf growing variety. Globed in shape; bright green foliage which retains its color throughout the winter. Adapted for planting in tubs and for edging evergreen beds of taller growing varieties. Price, 12 to 18 inches, \$2.00 each; 18 to 24 inches, \$2.75 each.

**Pyramidal (Thuja Occidentalis Pyramidalis).** A very popular tall, pyramidal grower. Its foliage is bright green and branches graceful. This is an American type and one of the best of the tall growing Arborvitae. Price, 18 to 24 inches, \$1.50 each; 3 to 4 feet, \$3.00 each.

## Cedars

**Deodar (Cedrus Deodara).** A large growing evergreen and one of the most beautiful grown. Grows rather rapidly. Foliage a silvery green, branches drooping and graceful. Very valuable as a specimen plant or for blending in clump plantings with the dark foliated evergreens. Price, 18 to 24 inches, \$2.50 each; 24 to 30 inches, \$3.50 each; 3 to 4 feet, \$5.00 each.

## Juniper—Juniperus

**English Juniper (Juniperus Communis).** Pyramidal in form with slightly drooping branches. Feathery foliage of grayish-green; dense growing. May be trimmed for use in formal plantings. Price, 18 to 24 inches, \$1.00 each; 2 to 3 feet, \$2.00 each; 3 to 4 feet, \$3.50 each.

**Irish Juniper (Juniperus Hibernica).** An erect, pillar-like grower. Foliage deep green with blue-green cast. Valuable for formal plantings. Price, 18 to 24 inches, \$1.25 each; 3 to 4 feet, \$2.50 each.

**Stricta Juniper (Juniperus Excelsa Stricta).** Very desirable for formal plantings. A low bushy variety with grayish-green foliage. Retains its shape for several years after being planted. Price, 15 to 18 inches, \$2.00 each.

**Pfitzer Juniper (Juniperus Pfitzeriana).** Finest of all evergreens for foundation and border planting. Low growing, irregular form; foliage green with slight blue tinge. Easily grown and desirable from every standpoint. Price, 18 to 24 inches, \$2.50 each; 2 to 3 feet, \$3.50 each.

**Virginia Blue Cedar (Juniperus Virginiana Glauca).** Of compact, symmetrical habit of growth. Foliage silvery-blue and one of the best of the blue type evergreens. Desirable for specimen planting or for combining with other evergreens. Price, 2 to 2½ feet, \$3.50 each.

**Juniperus Virginiana Schottii.** A tall, pyramidal grower. Foliage bright green. Makes beautiful specimens for background planting. Price, 2 to 2½ feet, \$3.50 each.

## Retinispora

**Golden Cypress (Retinispora Plumosa Aurea).** Pyramidal in habit of growth; feathery foliage of golden green. At its best when sheared and popular for contrast planting in lawns. Price, 18 to 24 inches, \$2.00 each; 2 to 3 feet, \$3.00 each.

**Green Cypress (Retinispora Pisifera).** Identical in its habit of growth to the Golden Cypress but with bright green foliage. Of rather rapid growth and valuable for foundation planting. Price, 18 to 24 inches, \$2.00 each; 2 to 3 feet, \$3.00 each.

**Plume-like Cypress (Retinispora Plumosa).** A rapid growing variety with gracefully drooping branches of bright green plume-like foliage. Thrives in most soils and situations. Price, 18 to 24 inches, \$2.00 each; 2 to 3 feet, \$3.00 each.

**Veitch Silver Cypress (Retinispora Veitchii).** A very showy type, its foliage being of silver blue-green. Not quite so strong a grower as the preceding varieties, but valuable on account of its color. Price, 18 to 24 inches, \$2.50 each; 2 to 3 feet, \$3.50 each.

**Arizona Cypress (Cupressus Arizona).** Tall, columnar shaped in habit of growth with foliage similar to the Cedar in texture and in color a silvery blue. Price, 24 to 30 inches, \$2.50 each; 4 to 5 feet, \$5.00 each.

**Italian Cypress (Cupressus Sempervirens).** A tall growing type of irregular habit of growth. Foliage dark green with silvery tinge, and this variety is particularly well adapted for use in foundation planting. Price, 3 to 4 feet, \$4.00 each; 4 to 5 feet, \$5.50 each.

## Spruce—Picea

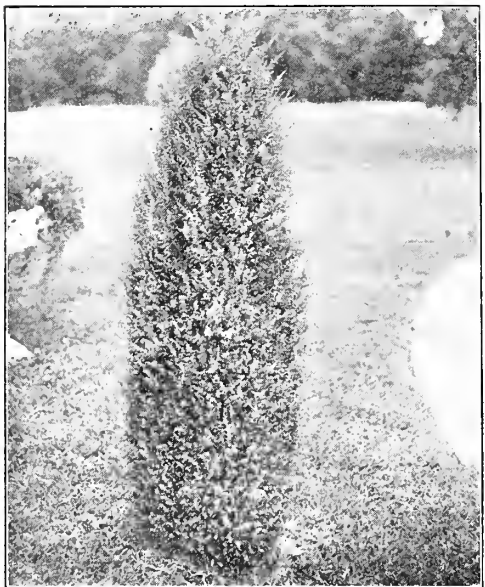
**Norway Spruce (Picea Excelsa).** A popular variety of the Spruce family which transplant easily. Foliage is in the form of needles, which are a dark green in color. Grows to large tree and is quite hardy. Price, 18 to 24 inches, \$1.50 each; 2 to 3 feet, \$2.50 each.

## Hemlock—Tsuga

**American Hemlock (Tsuga Canadensis).** This is considered one of the best of all evergreens. Grows rapidly and to large size and will adapt itself to most any location. Foliage a deep green, and if branches are allowed to remain natural, very graceful, also it is attractively sheared. Satisfactory in every way and entirely hardy. Price, 18 to 24 inches, \$2.50 each; 2 to 3 feet, \$3.50 each.



Arborvitae (Globe)



Juniper (Irish)



Spruce (Norway)



# Evergreen Shrubs

Evergreen Shrubs or Broad Leaved Evergreens are particularly desirable for use where the Coniferous Evergreens cannot be planted on account of the lack of sunshine, and where a more permanent and lasting planting is desired it may be had by the use of the Evergreen Shrubs. The larger majority of the Evergreen Shrubs have not only beautiful foliage but flowers as well, and in this connection we direct particular attention to the *Abelia Grandiflora*, which we consider the best of all the Evergreen Shrubs.

We ship all of the evergreens that we are listing, with the exception of *Abelia*, with ball of earth and hurlap and which should not be removed at time of planting. The hurlap soon rots away and is placed on the plants to retain the soil and prevent breakage of the minute feeding roots which are so essential to the life of the plant. In planting evergreen shrubs one should use every care to firm the earth around the roots or ball, as the case may be, and after planting water should be used freely.

## Abelia Grandiflora

One of the most attractive evergreen shrubs offered. Foliage dark green and glossy, and its arching branches have a distinct tinge of red. From May until frost this plant is covered with small, pinkish-white, bell-shaped flowers. Sometimes in shipping the foliage is lost, but this does not injure the plant in the least, also they are somewhat slow to come out after being transplanted. Highly desirable for landscape work and a plant which we highly recommend. Price, 75c each; \$6.00 per 10.

## Indian Azalea—Azalea Indica

Beautiful evergreen shrubs adapted for southern planting. Flowers large and produced in profusion. The most desirable location for planting is in well drained soil in which quantities of leaf mold have been mixed. We can furnish in white, pink, red and variegated. Price, \$ to 12 inches, \$1.25 each.

## Cape Jasmine—Gardenia Florida

Popular for planting in the South, but not hardy out-of-doors north of Nashville, Tennessee. Bright, thick, glossy leaves with large waxy-white flowers of great fragrance. Blooms from May until frost. Price, 85c each; \$7.50 per 10.

## Carolina Cherry

Large shrub or small tree grown largely for its foliage, which is dark green and glossy. Flowers yellowish-white followed by purple berries. Excellent for screen and specimen planting and stands trimming well. Price, 18 to 24 inches, \$1.00 each; 2 to 3 feet, \$1.50 each.

## Cotoneaster

*Microphylla*. Low, flat, spreading habit of growth. Foliage blackish-green, flowers white followed by red berries. Entirely evergreen and fine for border work. Price, \$1.00 each. *Simonsi*. Similar to the *Microphylla*, but of upright growth and bushy. Will hold its berries all winter. Price, \$1.00 each.

## Dwarf Boxwood

A border plant of slow habit of growth and one that never grows very tall. This, however, is ideal for bordering other evergreens and walks. Price, 20c each.

## Elaeagnus Reflexa

Large leaves, dark green on top side, mottled brown underneath. Flowers slender, silvery-bronze drooping beneath foliage. This variety grows rather tall and is quite hardy. Valuable for screen planting or lawn specimens. Price, 18 inches, \$1.00 each.

## Euonymus

*Japonica*. An upright, compact evergreen shrub. Foliage dark green and glossy. May be trimmed to any form or height. Entirely hardy and an excellent foliage plant suitable for most soils and locations. Price, \$1.00 each; \$9.00 per 10. *Seiboldiana*. One of the best of the *Euonymus* family. An upright graceful grower bearing seed pods from which red seed are suspended in late fall and winter. Highly desirable for mass planting. Price, 75c each; \$6.00 per 10.

## Mahonia

*Aquifolia*. Dense, low growing shrub with holly-like foliage, a glossy green which turns bronze in fall. Bright yellow blossoms followed by blue berries. Fine for mass planting or individual specimens and thrives in sun or shade. Price, \$1.00 each.

## Nandina Domestica

A Japanese shrub of medium size, light green leaves in summer, which are long and narrow and in winter these take on autumnal colors. Red berries, extremely attractive. Fine for landscape work and entirely hardy. Price, \$1.25 each.

## Privet—Ligustrum

*Japanese (Ligustrum Japonicum)*. A rapid growing, upright shrub with large, dark green foliage covering the plant from the ground to tips of branches. White flowers in early spring followed by clusters of blue-black berries. Grows rather tall and stands trimming well. Price, \$1.00 each; \$8.50 per 10.

*Marginatum Aurea (Golden Leaf Privet)*. Similar in habit of growth to *Ligustrum Japonicum*, but with thick, waxy-golden leaves which make it unusual. Very desirable for planting in combination with the green-leaved varieties. Price, \$1.50 each; \$12.50 per 10.

*Lucidum (Ligustrum Lucidum)*. A compact, graceful plant with dark green, glossy foliage and white flowers, which are rather inconspicuous. An ideal foliage plant, evergreen and highly desirable for foundation planting. Price, \$2.00 each; \$17.50 per 10.

## Climbing Vines

*Boston Ivy (Ampelopsis Veitchii)*. A vine that covers with over-lapping foliage; self-clinging and will adhere closely to the smoothest surface. Price, 50c each; \$4.00 per 10.

*Virginia Creeper (Ampelopsis Quinquefolia)*. Large green leaves changing to crimson in the fall. Requires no support and suited for covering tree trunks and walls. Price, 50c each; \$4.00 per 10.

## Honeysuckle

*fall's*. Its flowers are white, changing to yellow and very fragrant. Price, 40c each; \$3.00 per 10.

*Scarlet Trumpet*. Valuable for use on porches and trellises. Price, 40c each; \$3.00 per 10.

*Yellow Trumpet*. Price, 40c each; \$3.00 per 10.

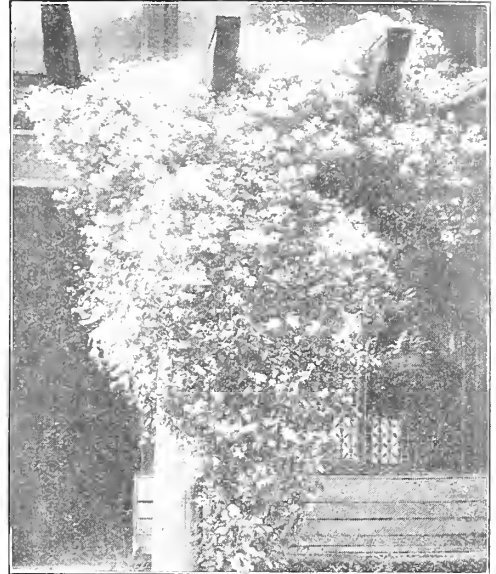
## Kudzu Vine

An extremely strong growing vine with large, deeply cut leaves of bright green. Will make a wonderful growth in a single season. Price, 35c each; \$3.00 per 10.

## Wisteria

*Purple (Sinensis)*. An excellent vine for southern planting. Flowers light purple and blue in early spring, borne in large drooping clusters. Well adapted for arbor planting. Price, \$1.00 each; \$8.50 per 10.

*White (Sinensis Alba)*. Resembles the purple variety, but with white flowers. Hardy and very desirable. Price, \$1.00 each; \$8.50 per 10.



Clematis

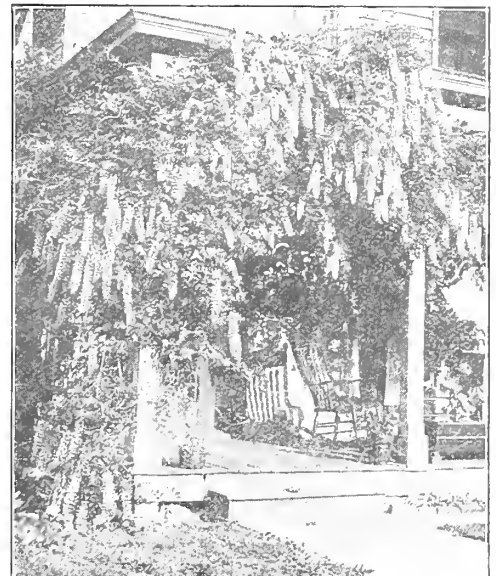
## Clematis

*Paniculata (Sweet-Scented Clematis)*. Flowers small, star-shaped; white in color and produced in enormous quantities. Very fragrant and easily established. Price, 50c each; \$4.00 per 10.

*Henryi*. Very large blossoms; creamy-white. A strong grower and blooms abundantly. Price, \$1.00 each; \$8.50 per 10.

*Jackmani*. Deep velvety-purple flowers of large size. One of the most popular. Price, \$1.00 each; \$8.50 per 10.

*Madame Edouard Andre*. Large crimson-red flowers. A free bloomer when once established. Price, \$1.00 each; \$8.50 per 10.



Wisteria

# BUCHANAN'S

## SELECTED AND OFFICIALLY INSPECTED

### FRUIT TREES AND SMALL FRUITS



## Terms and Conditions--How to Send Your Order

**ORDER BLANK** enclosed in catalogue should be used in every case. Please be careful to fill in all blank spaces with the information requested. Also be careful to write name of variety wanted, size, and price very plainly. This helps to avoid errors.

**TERMS** are cash in every case, although we will ship C. O. D. when 25 per cent of the amount is sent with order.

**REMITTANCES** should be made by Bank Draft, Postal or Express Money Order, but we will accept personal checks where it is impossible for you to secure Postal, Express, or Bank Draft.

**SELECTION OF VARIETIES.** We can sometimes help in the selection of varieties, and a great many customers prefer to leave the selection with us. We will be glad to give you benefit of our experience and judgment in making up the assortment.

**SUBSTITUTION.** Please state on the order, in the proper space, whether or not we shall substitute in case we are out of any of the varieties wanted, otherwise orders will be shipped short.

**SHIPMENT** of nursery stock will travel better by express, and we recommend this plan wherever possible. However, we hope that all of our customers will state how they prefer shipments to move, whether by freight, express, or parcel post.

**CLAIMS** will not be entertained unless made promptly on receipt of goods. We shall be glad to investigate any claim, provided it is made as soon as the stock is received.

**GUARANTEE.** We guarantee to deliver all trees and plants to the forwarding company in perfect condition, but do not guarantee that all the stock will live, as too much depends on the treatment the stock receives after it leaves our hands.

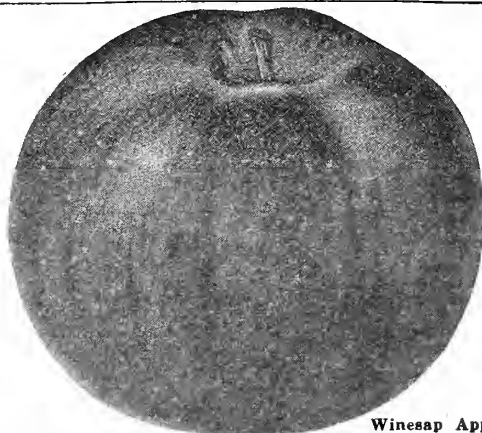
**NON-WARRANTY.** We give no warranty, expressed or implied, as to the description, quality, productiveness or any other matter of any trees, plants, or bulbs we send out, and will not in any way be responsible for the crop. We do, however, agree to replace free of charge or refund the purchase price of any trees, plants, or bulbs that prove untrue to name, but we will not be responsible for a larger amount, and all sales are made with this understanding.

### SUITABLE DISTANCES FOR PLANTING

	Feet		Feet
Apples, Standard....	30 to 40	Figs.....	15 to 18
Pears, Standard....	20 to 30	Currants.....	3 to 4
Peaches and Apricots..	16 to 20	Gooseberries.....	3 to 4
Cherries.....	18 to 20	Raspberries.....	3 to 4
Plums.....	16 to 20	Blackberries.....	5 to 7
Grapes (Bunch)....	8 to 10	Strawberries.....	3½ by 1½
Grapes (Muscadine)..	10 to 25	Pecans.....	60 by 60

### NUMBER OF TREES OR PLANTS TO AN ACRE

Apert Each Way		Apert Each Way	
3 feet.....	4,840	15 feet.....	200
4 feet.....	2,729	18 feet.....	138
5 feet.....	1,742	20 feet.....	110
6 feet.....	1,200	25 feet.....	70
8 feet.....	680	30 feet.....	50
10 feet.....	430	40 feet.....	27
12 feet.....	325	50 feet.....	17



Winesap Apple

## Apples

### PRICES

**FIRST CLASS**—4-6 feet, 50c each; \$4.50 per 10; \$40.00 per 100.

**ORCHARD SIZE**—2-3 feet, tied in bunches of 10 and sold in multiples of 10, \$15.00 per 100; less than 100, 20c each.

**Early Harvest.** May and June. Medium size; pale yellow slightly acid; good quality. Ripens at a season when no other Apple is in. Should be in every orchard.

**Yellow Transparent.** One of the best early market Apples of medium size; skin yellow; flesh crisp and sub-acid; almost immune to blight.

**Red June.** Early. Medium size; dark red; white flesh juicy, sub-acid; ripens over a long period; bears well and is very heavy cropper.

**Yellow Horse.** Late summer. Large size; yellow, slightly red where exposed to sunshine. One of the best cooking Apples and fills in between seasons better than almost any other. Highly satisfactory all over the South.

**Grimes Golden.** Early winter. Large; golden yellow; of high quality. Tree vigorous; a heavy bearer.

**Delicious.** Late fall. Almost too well known to need description here. Fruit large, dark red, fine grained flesh, crisp, and juicy and of high quality. A splendid shipper and prolific bearer.

**Stayman Winesap.** Winter. Larger and more prolific than the old Winesap. Rich, dark red; firm; fine grained and juicy; adapted to a wide range of soils and climates.

**Winesap.** Winter. Medium size; dark red; good quality; keeps well. Tree is a hardy grower and good bearer. A popular variety and well liked everywhere.

**Yates.** Winter. Small; yellow with dark red stripes. No strictly speaking, a commercial Apple, but because of its sure and heavy crops has proven one of the most desirable Southern sorts.

There can be no doubt but that carefully selected varieties of Apples, well cared for, will produce quantities of satisfactory fruit, and certainly nothing can be more healthful than plenty of Apples. Even a few trees will produce sufficient Apples for a small family. The list of Apples we offer has been carefully selected for quality and productiveness. The list covers the season from May until November, and a planting made up from this list will be sure to produce fruit.

Apples can be planted safely from the middle of October until early April, but fall planting will be found best. Apple trees are not very choice about soils. Almost any soil being suitable, but if possible they should be planted in a rich, loamy, well drained soil, a northern exposure being more desirable.

Apple trees should be planted about 30 feet apart each way, the distance being dependent upon the strength of the land. For the first few years the trunks of the trees should be protected from rabbits and clean cultivation should be practiced at all times.

# PEACHES

Without a doubt, the Peach is the best paying fruit crop grown in the South. Southern grown Peaches excel in size, appearance, quality, and flavor those grown in any other section of the country. Most Southern soils being adapted to Peach culture, we never have a complete failure of the Peach crop; therefore, we strongly recommend the planting of Peach trees all over the South. It is not well to consider the planting of a commercial Peach orchard unless one is prepared to carefully cultivate, prune, and spray, and give the trees the very best of attention. Of course, even though the trees do not receive proper care and attention, they will produce some fruit, but the Peach responds more readily than most any other fruit to proper care.

The best varieties for commercial orchard planting are: Early Rose, Carman, Yellow Hiley, Belle of Georgia, Elberta, and J. H. Hale, which ripen in the order in which they are named. All of these varieties, together with the remainder of our list, are good home orchard sorts, and in the planting of a home orchard, there should be a few trees of each variety planted. With proper selection, it is possible to have Peaches from May throughout the season.

The trees should be planted approximately 20 feet apart each way, and best results will be had from plantings made in November and December, although we have secured excellent results from trees planted as late as April 1st.

## PRICES

**FIRST CLASS**—4-5 feet, 50c each; \$4.00 per 10; \$30.00 per 100.  
**ORCHARD SIZE**—2-3 feet, tied in bunches of 10 and sold in multiples of 10, \$15.00 per 100; less than 100, 20c each.

**Mayflower (Free).** The earliest of all the Peaches. Bears freely; fruit of medium size, very red, and of fair quality.

**Early Rose (Cling).** One of the most valuable of the recent introductions; ripens with the earliest; is an extremely free bearer and comes into bearing young. Fruit is roundish, medium to large size, and ripens ninety per cent red; is a good keeper and carries well. This has been the most profitable early variety in commercial orchards for a number of years.

**Arp Beauty (Free).** Medium size; yellow, mottled with bright crimson; flesh is of rich yellow color and is really of very good quality for an early Peach. Tree is hardy and very prolific.

**Greensboro (Semi-cling).** Large, oblong; white with red blush. Not recommended for commercial orchards, but should be in every home orchard.

**Carman (Free).** Large; creamy white with deep blush; fine flavor; hardy in production; a good shipper, strong grower, and early bearer.

**Indian Cling or Blood Cling.** An old-time favorite wherever planted and grows to a large size; dark red flesh; a deep red; highly flavored.

**J. H. Hale (Free).** Larger than Elberta; ripens several days later and is superior to Elberta in flavor; a beautiful golden yellow with deep carmine blush. Has proven to be one of the best money makers of recent introduction.

**Chinese Cling (Cling).** Large; white with red cheek; excellent quality; exceedingly juicy. A very popular Peach, although not recommended for commercial orchards.

**Heath Cling (White Heath—Cling).** Skin and flesh white, tinged with red; tender, juicy, and of high flavor. A wonderful Peach for canning and pickling.

**Krummel's October (Free).** Deep yellow with carmine blush; very late; a splendid shipper and keeps well.

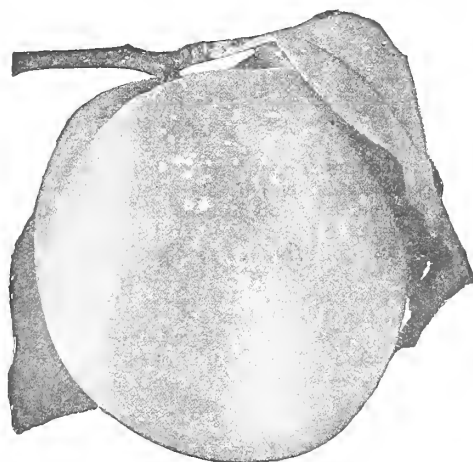
**Hiley (Early Belle).** One of the best early shippers; large, white with bright red cheek. Has proven one of the most profitable sorts for commercial orchards.

**Yellow Hiley (Free).** This is a comparatively new variety and last year it again proved to be one of the best of recent introduction. Yellow Hiley ripens with its parent, White Hiley, the fruit is of the same size and shape, flesh a deep yellow; flavor and quality of the very highest. One of the very best dessert Peaches, and will prove entirely profitable and satisfactory in any planting.

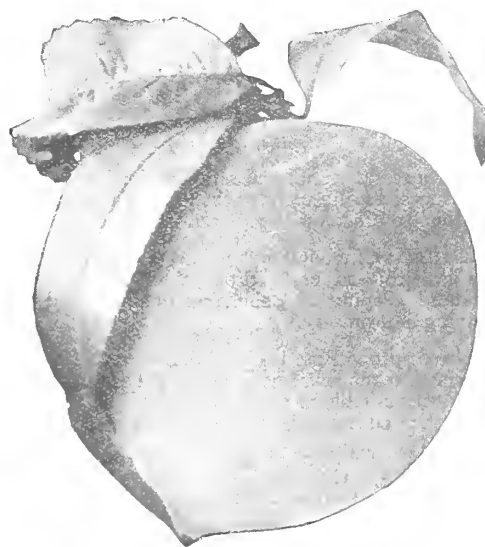
**Belle of Georgia (Free).** Very large; white with red cheek; firm and of excellent flavor; uniformly large and a very prolific and sure bearer.

**Early Elberta (Free).** Very large; flesh yellow, firm, juicy, and of fine flavor. Ripens just ahead of Elberta.

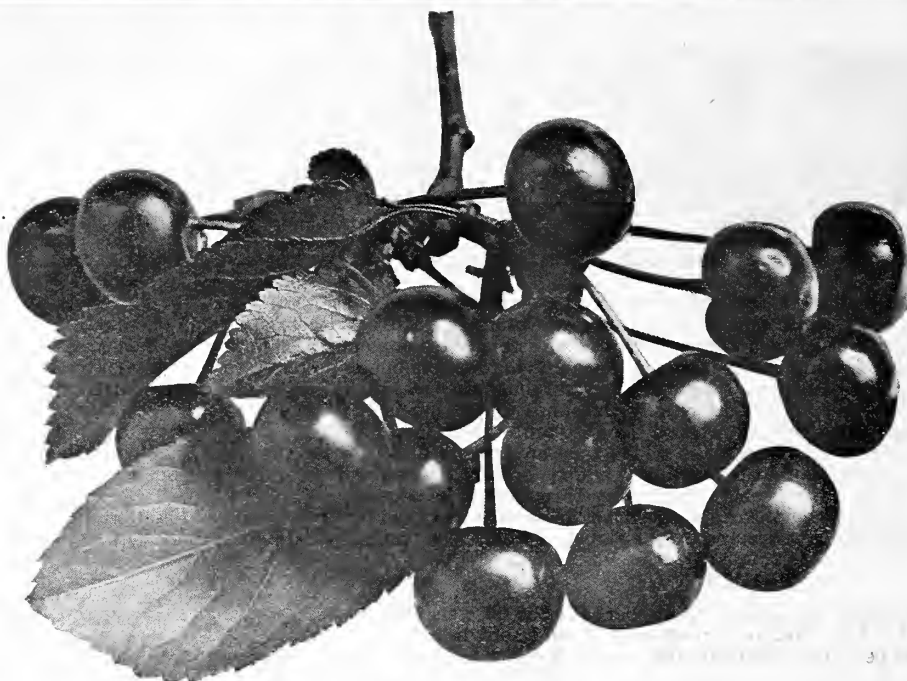
**Elberta (Free).** A standard by which all other varieties are judged; very large; yellow with red cheek; flesh yellow, firm, juicy, and of high quality; hardy; sure bearer and excellent shipper.



Early Rose Peach



Elberta Peach



Black Tartarian Cherries

## Pears

As a rule, commercial Pear orchards are not profitable in the South, but commercial orchards of Kieffer and Pineapple are proving satisfactory and profitable. These two varieties are more blight resisting than any of the others, require less care, and will produce fruit under almost any conditions.

Our list includes several of the most desirable dessert or eating Pears. A planting made up of our list will enable one to have Pears throughout the season.

Pears should be planted 25 feet apart each way, and after the first season should be cultivated but little, as we have found that where no cultivation is given the trees are less susceptible to blight.

### PRICES

**FIRST CLASS**—4-6 feet, 75c each; \$6.50 per 10; \$60.00 per 100.

**ORCHARD SIZE**—2-3 feet, tied in bunches of 10 and sold in multiples of 10, \$30.00 per 100; less than 100, 35c each.

**Bartlett.** Probably the most popular of all Pears. Large, juicy, yellow, sweet, and of high value for marketing or canning purposes; bears early and abundantly.

**Duchess.** Very large; fine quality; keeps well into the winter. Tree a strong, vigorous grower.

**Le Conte.** Large, with a smooth, yellow skin; flesh white, firm, and juicy. Tree is a free bearer and vigorous in growth.

**Garber.** Resembles Kieffer in size, appearance, and quality. Will succeed almost anywhere; is excellent for canning and preserving, and recommended as a pollinizer for the Kieffer.

**Kieffer.** A money maker on account of its remarkably vigorous growth and early productiveness, its extraordinary size, splendid keeping and shipping qualities, and its excellence for canning and preserving.

**Pineapple.** Practically blight-proof; a strong, vigorous grower and remarkably productive here in the South. Perhaps the most valuable of all the Pears for the extreme Southern part of the United States.

**Seckel.** Fruit medium in size, russet-brown, with a very sweet flavor. The finest flavored of all Pears, and particularly valuable for the home orchard.

## Cherries

In a general way, Cherries are not a very profitable fruit for planting in the South; however, there are a few varieties which can be grown successfully. Cherries are divided into two classes, Sour and Sweet. The Sweet Cherries are used for dessert purposes and eating while fresh, and are not desirable for canning, preserving, or pie-making. The Sour Cherries are highly desirable for all of these purposes and should be planted liberally. We are listing only the two best Sweet varieties and the two best Sour varieties. Where possible, we suggest that there be several Cherry trees planted, as it prolongs the open season for fresh Cherry pie.

Cherries prefer an elevated situation and the soil should be well drained. The trees have but few natural enemies and require but little care, requiring less pruning and cultivation than almost any other fruit. They should be planted 20 feet apart each way, and the planting should be done in the fall wherever possible.

### PRICES

**FIRST CLASS**—3-5 feet, 70c each; \$6.00 per 10; \$50.00 per 100.

**ORCHARD SIZE**—2-3 feet, tied in bunches of 10 and sold in multiples of 10, \$40.00 per 100; less than 100, 45c each.

**Black Tartarian (Sweet).** Of large size, heart-shaped; purplish black; flesh tender, juicy, and of fine quality. Tree an erect, beautiful grower and heavy bearer.

**Governor Wood (Sweet).** Light yellow, extremely sweet, juicy, and of rich flavor. Tree vigorous and productive.

**Large Montmorency (Sour).** One of the best flavored Cherries in its class; larger and finer than Early Richmond and ripens ten days later. Tree of rapid growth and a heavy bearer.

**Early Richmond (Sour).** Extra early; bright red, very valuable for canning. Tree extremely hardy and productive. The earliest pie Cherry available.

If shipment is wanted by parcel post, be sure to include in your remittance sufficient to cover postage charges.

**QUANTITY PRICES**—On all seeds see yellow price list in center of book.

R. B. Buchanan Seed Co. established 1906. The worth of a house whose business has been carried on successfully for 27 years is understood by all who plant seeds, because seeds are sold entirely on reputation.





## Buchanan's Grape Vines

For large yields on small space and little care, Grapes pay greater returns than any other fruit. The varieties we are listing will do well over practically the entire South. The vines are not very choice as to soil; they prefer a well drained, slightly stony soil, but will grow and bear most anywhere.

To secure best results, Grapes should be carefully pruned during the winter months, December and January being the best time. They may be grown on trellises or arbors and demand cultivation only for the first few years.

**TWO-YEAR PLANTS**—Each, 30c; 10, \$2.50; 25, \$5.50; 50, \$10.00; 100, \$18.00, post paid.

**Concord.** Fruit dark purple, nearly black; extra large and very sweet. One of the best known and most popular.

**Delaware.** Fruit red, rather small, juicy, and sweet. We think the best table variety grown.

**Diamond.** Fruit of a greenish white color; very large, sweet, and of good quality. Vine perfectly hardy and a good bearer.

**Moore's (Moore's Early).** A highly desirable early black variety; ripens about two weeks ahead of Concord. The best early black Grape for Southern planting.

**Niagara.** One of the most valuable white Grapes. Bunch and berry large; ripens with Concord. Fruit very tender, sweet, and juicy. Highly desirable.

**Lutie.** A true Southern variety. The very best of all for Southern planting. Fruit large, brownish red and of delicious flavor. A good, sure bearer.

## Scuppernong or Muscadine Type

The Scuppernong or Muscadine type Grape is distinctly Southern. The vines are not hardy very far north, but do wonderfully well all over the South. The fruit is not borne in bunches as are other Grapes, but are produced in clusters. The Muscadine type are well adapted for trellis work, making strong, vigorous growth and a perfect trellis very quickly.

**TWO-YEAR PLANTS**—Each, 50c; 10, \$4.50, post paid.

**Scuppernong.** Very large, bronze colored fruit; flesh very sweet; grown in clusters, not in bunches.

**James.** Large. Fruit of a delicate flavor, and is borne in large clusters. A strong growing, black Scuppernong.

**Thomas.** Medium size, round, dark, fine color. Highest in sugar content.

## Plums

Plums, like Peaches, do well in the South, the improved Japanese varieties being most desirable. In our list of varieties we are offering a variety for every purpose. We call particular attention to the Japanese varieties, which are the best for fresh fruit. Wild Goose, Shropshire Damson, and Compass are all ideal for preserving purposes, each of them having a distinct flavor characteristic of the fruit.

The most suitable distance for planting Plums is 16 feet apart each way. Fairly high, well drained location is best, but Plums will grow in almost any soil.

**FIRST CLASS**—4-5 feet, each, 75c; 10, \$6.50; 100, \$60.00.

**Abundance (Japanese).** Medium to large; color bright red and overlaying a yellow ground; cling. Tree strong, thrifty, an upright grower and an early and prolific bearer. One of the best.

**Burbank (Japanese).** Large; mottled red and yellow; good quality; cling. Tree a strong, straggling grower and immense bearer.

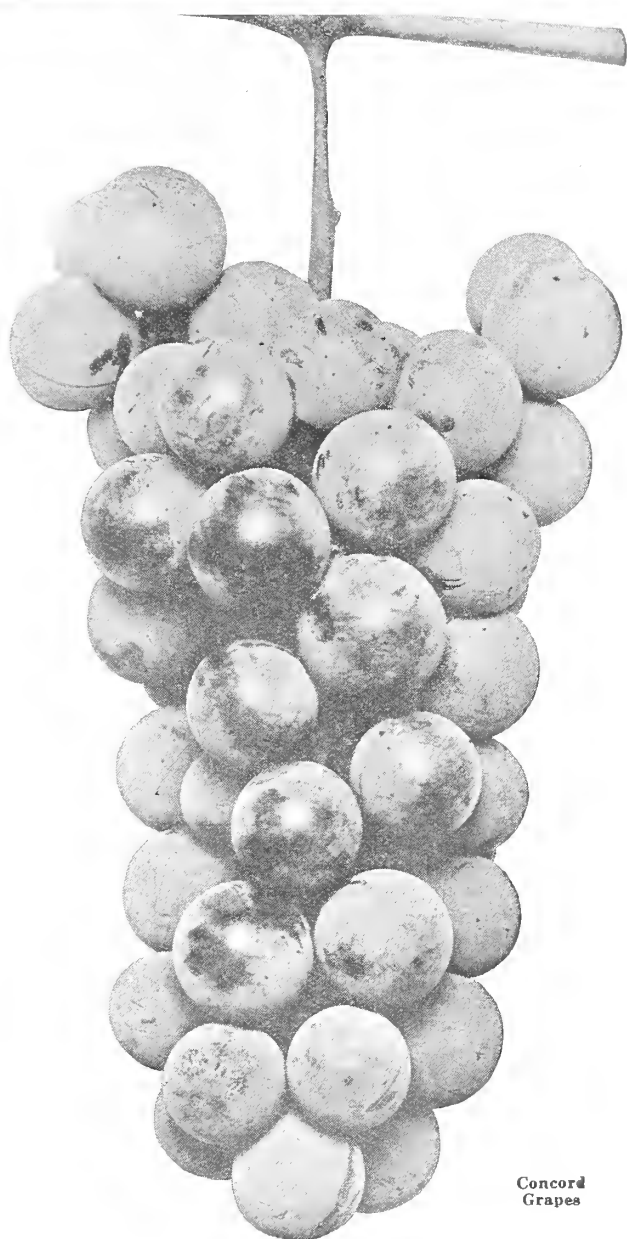
**Red June (Japanese).** Medium to large; deep red; handsome bloom; very showy; quality good; good shipper; ripens a week earlier than Abundance.

**Wickson (Japanese).** Probably the most beautiful tree of all Plums; color deep red; flesh firm, yellow, and of very good quality. The principal objection to this variety is the fact that it is inclined to be rather a shy bearer.

**Wild Goose.** One of the best known of all the Plums; large, deep red when ripe, good quality, very juicy. One of the best native varieties, ripening earlier than the Japanese sorts.

**Shropshire Damson.** Medium size; dark purple flesh; grown largely for preserving purposes. Probably the best preserving Plum.

**Compass Cherry-Plum.** A cross between the Sand Cherry and the Plum. Fruit about as large as the ordinary Cherry; very bright red; acid; valuable because of its sure, heavy cropping qualities; used principally for preserving; absolutely hardy.



Concord  
Grapes

## Apricots

**FIRST CLASS**—4-5 feet, 75c each; \$6.00 per 10.

**Early Golden.** Small; pale orange-yellow; juicy and sweet; highly flavored. Recommended for Southern planting.

**Royal.** A standard variety; medium to large; pale yellow, with orange cheek; very desirable and equally valuable for canning or drying.

## Japanese Persimmons

**FIRST CLASS**—3-4 feet, 75c each; \$6.50 per 10; \$60.00 per 100.

**Hyakume.** Fruit large, dark brown, very plump, sweet, and meaty. One of the best varieties.

**Triumph.** Fruit yellowish red, smooth skin. Flesh yellow, fine grained, and excellent quality.

**Tane Nashi.** One of the best known Japanese varieties. Fruit large, smooth, symmetrical, and ripens early. Bears young and is productive.



St. Regis Raspberries

If shipment is wanted by parcel post, be sure to include in your remittance sufficient to cover postage charges.

canes bearing this fruit must be cut down to the ground, as they will not bear again and only take strength from the plant.

**PRICES**—5, 65c; 10, 95c; 50, \$4.50; 100, \$6.50, post paid.

**Early Harvest.** Ripens 10 days to 2 weeks earlier than any other Blackberry; very productive and a good shipper. Fruit is of good size and excellent quality.

**Eldorado.** Berries very large, reddish black, very sweet and without hard core. Late.



Brown Turkey Figs

## Raspberries

Not a commercial fruit crop in this section, but well worth the necessary trouble. Raspberries will do well planted along the fence in the kitchen garden, and the varieties we are listing will bear fruit in this section.

Raspberries should be planted in rows five to six feet apart, and about three feet apart in the row. They should be given rich soil, well fertilized, and should be carefully cultivated throughout the growing season. The fruit is always borne on the preceding year's growth; therefore, all old canes should be removed as soon as the fruit is ripened. This forces the growth into the current season's growth and will make the fruit much finer the following year.

**PRICES**—5 for 50c; 10, 85c; 50, \$4.00, post paid.

**St. Regis.** Sometimes called "Everbearing." Usually produces a good crop in the spring and a second crop in the fall. Berries bright crimson, large and have strong Raspberry flavor. Very prolific.

**Cuthbert.** Fruit crimson, large, firm, and very juicy. A strong, upright grower and perfectly hardy.

**Cardinal.** Large, reddish purple fruit; very strong grower and will succeed where other varieties fail.

**Kansas.** The most desirable of the Black Raspberries for planting in the South. The plant is a strong grower, the fruit large, round, firm, and of handsome appearance. Stands shipping well.

## Blackberries

The growing of improved varieties of Blackberries has proven quite profitable, the fruit of the improved Blackberry being much larger and of finer flavor than the common wild berries. The greatest profit in Blackberries comes from having the fruit at a time when the wild fruit is not available. The two varieties we are listing answer this purpose very well, indeed. Early Harvest ripens about 10 days earlier than the wild Blackberry and Eldorado ripens after the wild berries are all gone, which permits the grower to command a good price for the fruit. Aside from the possibility of profit from a commercial planting, the convenience of having one's own berries close at hand is certainly worth the small investment of time and labor necessary.

Blackberries should be planted in rows 6 feet apart with the plants about 3 feet apart in the row. They should be frequently cultivated during the period when they are making their growth. When the young canes have reached the height of 3 feet the top should be pinched out, which will cause them to branch and increase the next year's crop materially. The fruit is always grown on the preceding year's growth. After the fruit has ripened and has been gathered, the

## Dewberries

An extremely profitable berry, and one which can be grown very easily. The cultivated Dewberries grow to large size and are of much finer flavor than the wild variety, ripening between the close of the Strawberry season and ahead of the Blackberry season. The fruit always commands high prices on the market.

Plant in rows 6 to 8 feet apart, setting the plants 3 feet apart in the row. After the crop is harvested, cut out and burn the old canes. When the young canes are about 2 feet high, pinch out the tips; this will make them branch, increasing the next year's crop.

**PRICES**—5, 85c; 10, \$1.25; 50, \$5.50; 100, \$8.50, post paid.

**Austin.** Very large fruit, of high quality and good flavor. A prolific bearer and one of the very best varieties for the South.

**Lucretia.** The fruit is of unusually large size, soft and sweet. Early

## Figs

Here we have a real Southern fruit, of high quality and wonderful productivity. The fruit is highly valuable for preserves, but its fine flavor also recommends it for eating while fresh. Fig trees begin bearing while quite young, the ripening period of the fruit extending almost throughout the summer season. But few diseases or insect pests affect the Fig tree making it of easy culture. In Northern Alabama and further north, Fig require a somewhat sheltered position, as they are often killed to the ground by severe freezes, but further south they may be planted in the open ground, and even though the trees are killed to the ground they will nearly always come again from the root.

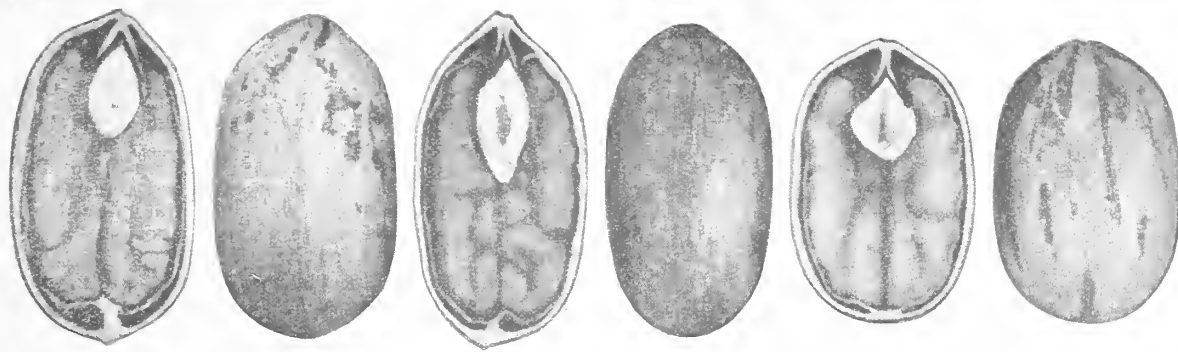
Plant the trees 12 to 18 feet apart each way.

**PRICES**—First Class—3-4 feet, 75c each; \$6.50 per 10; \$50 per 100

**Brown Turkey.** Fruit medium to large, pear-shaped, coppery brown skin with white or yellow tinted flesh. Very productive.

**Celestial.** Very hardy; vigorous grower. Fruit small but juicy, and of excellent quality.

**Brunswick.** Fruit very large, purplish black, shading to red near stem; of good quality and extra firm flesh.



Frotscher Pecans

Schley Pecans

Stuart Pecans

## Pecans

The aim for the first few years after planting should be to produce growth. Frequent cultivation and ample fertilizer during the first few years will go a long way towards making the planting successful. In arranging a home orchard we suggest that Pecan trees be planted 60 feet apart each way with fruit trees in between. In a planting of Pecan trees alone, 40 by 40 feet or 60 by 60 feet, depending upon the quality of the soil as to the right distance.

**FIRST CLASS**—4-5 feet, \$1.15 each; \$10.00 per 10; \$90.00 per 100. 2-3 feet, 90c each; \$8.00 per 10; \$70.00 per 100.

**SCHLEY**—Thrifty, strong grower. Nut rather long, well filled, and of high quality.

**FROTSCHER**—Medium to large size; nut rather long, tapering, slightly plump; rich meat. Tree very hardy and strong grower. Originated in Louisiana.

**STUART**—Probably the best known and most valuable of all the Pecans. Extremely hardy and strong grower. Nuts of good size, plump, and well filled.

## Chestnuts

**AMERICAN SWEET**—Nuts sweet and of delicate flavor. Price, \$1.00 each.

**JAPAN MAMMOTH**—Of dwarf growth; nuts of immense size, fair quality. Price, \$1.25 each.

## Walnuts

**ENGLISH WALNUT**—Tree valuable for its shade as well as nuts, which are thin-shelled, full-meated and delightfully flavored. Price, \$1.00 each.

**JAPAN WALNUT**—The tree is strong, vigorous grower, bears well and is highly productive. Is valuable as a nut and ornamental tree. Nuts rather thick-shelled and flavored somewhat like the Butternut. Price, \$1.25 each.

## Privet—Ligustrum

**AMOR RIVER (Ligustrum Sinense)**—The best of the Privets for southern planting. In this section almost entirely evergreen and adapted to a wide range of soils and situations. Is an upright grower, leaves dark green, flowers white appearing in erect panicles. Price, 18 to 24 inches, \$6.00 per 100; 2 to 3 feet, \$8.00 per 100.

**CALIFORNIA (Ligustrum Ovalifolium)**—An upright grower, leaves dark green and glossy. Price, 18 to 24 inches, \$5.00 per 100; 2 to 3 feet, \$7.50 per 100.

**REDBUD, JUDAS TREE (Cercis Canadensis)**—A native American tree covered in the early spring before the leaves appear with pinkish-red flowers. Foliage heart-shaped and very green. Quite beautiful when planted with White Flowering Dogwood or against evergreens. Price, 5 to 6 feet, \$1.00 each; 6 to 8 feet, \$1.50 each.

**REDBUD, JAPANESE (Cercis Chinensis)**—Similar to the native Redbud in this small growing ornamental tree. Price, 3 to 4 feet, 75c each.

**TEXAS UMBRELLA**—A rapid growing umbrella-shaped tree; symmetrical in outline with dense foliage. Very desirable for planting in the South. Price, 75c each.

**UMBRELLA TREE (Catalpa Bungei)**—Valuable as a lawn tree or for planting along drives or in pairs at entrances. Leaves very large, borne on the top of a clean, straight stem. Price, \$2.00 each.

## Ornamental and Shade Trees

We are listing varieties suitable for almost every purpose for permanent shade, large areas we recommend the Elm, and the Maple for small spaces such as garden seats and shady nooks. In the back yard we recommend the Umbrella (Catalpa Bungei), Texas Umbrella and the Weeping Mulberry. These are not strictly speaking, shade trees, but do well where a little shade is required and add a touch of refinement to any planting.

**BIRCH, WHITE (Betula Alba)**—Of moderately quick growth; erect growing. Branches slightly drooping and attractive bark which is almost white. Adapted to planting on moist soils, but will also thrive on dry ground. Price, 8 to 10 feet, \$2.50 each.

**DOGWOOD, WHITE FLOWERING (Cornus Florida)**—A beautiful native tree, blooming in early spring. Its showy white flowers and glossy green foliage make it attractive for ornamental planting. Price, 60c each; \$5.00 per 10.

**DOGWOOD, RED FLOWERING**—Same in habit of growth as the White Flowering, but flowers are deep rose. Very valuable for specimen planting. Price, \$1.75 each; \$15.00 per 10.

**ELM, AMERICAN WHITE**—Grows to a large size; leaves medium large and branches somewhat arching. Very valuable for permanent shade. Price, 8 to 10 feet, \$1.50 each; 10 to 12 feet, \$2.00 each.

**FLOWERING PEACH**—An ornamental tree valuable for its profusion of flowers borne in early spring before the leaves appear. We are offering in three colors, white, pink and red. Please specify color wanted. Price, 85c each; \$7.50 per 10.

**MAGNOLIA GRANDIFLORA (Southern Evergreen Magnolia)**—A favorite of the South. Price, 4 to 5 feet, \$2.00 each; 5 to 6 feet, \$2.50 each.

**MAPLE, SILVER**—Blossoms very early in the spring and light green leaves, silver underneath, promptly appear. Price, 8 to 10 feet, \$1.25 each; 10 to 12 feet, \$1.75 each.

**MAPLE, SUGAR**—Intense green foliage in summer changing to various shades of crimson and gold in the fall. Price, 8 to 10 feet, \$1.50 each; 10 to 12 feet, \$2.00 each.

**MAPLE, NORWAY**—A large growing tree, round and spreading in habit of growth. Foliage larger and darker than that of Sugar Maple. Price, 6 to 8 feet, \$1.50 each.

**POPLAR, LOMBARDY**—A tall, slender tree attaining great height. Price, 8 to 10 feet, 85c each; 10 to 12 feet, \$1.25 each.

**PRUNUS PISSARDI (Purple-Leaved Plum)**—A tall shrub with compact leaves of rich, dark purple and maroon red. Price, 4 to 5 feet, 75c each.

**PRUNUS TRILOBA (Double Flowering Plum)**—Small growing tree with long slender branches producing pink blossoms. Price, 3 to 4 feet, 75c each.

**WEeping MULBERRY**—An extremely graceful, hardy tree with its long slender branches drooping to the ground. An attractive and desirable ornament for any lawn. Price, \$2.50 each.

**WEeping WILLOW**—A tree with long drooping branches that give it a weeping effect. Foliage feathery and greenish-silver. Price, 8 to 10 feet, \$1.50 each; 10 to 12 feet, \$2.00 each.

**GOLDEN WEeping WILLOW**—Same in habit of growth as the variety listed above. Limbs golden-yellow; foliage green with yellow cast. Price, 8 to 10 feet, \$1.75 each; 10 to 12 feet, \$2.25 each.



## Buchanan's Seed Corn

### (1125) Buchanan's Paymaster Corn

**BUCHANAN'S IMPROVED PAYMASTER (100 days)**—Buchanan's Paymaster originated in Middle Tennessee, where there are several counties that are noted for their heavy yields of corn, due to the fact that the soil of these counties contains the elements of potash and phosphate in abundance. These elements supplied by nature are the most important factors in producing not only heavy yields of corn, but seed corn of strong vitality.

Speaking scientifically, these elements produce a strong embryo or what is commonly known as sprout, which is the foundation of your coming crop.

Buchanan's Paymaster was produced by selection from Tennessee Red Cob, see cut bottom of this page. You will notice the Tennessee Red Cob has a very long grain which makes this variety very popular among many of our customers for their heavy black bottom lands.

By careful selection for the past five years we have succeeded in producing in Buchanan's Paymaster what we believe to be the largest yielding strain of Red Cob Corn for Southern planting.

Buchanan's Paymaster was selected for a 100-day 2-ear corn with a shorter ear, broader grain and stalk not so tall as Tennessee Red Cob.

Many of our customers plant Buchanan's Paymaster as late as July 1, and some as late as July 10, with excellent results. One of our customers near Crawfordsville reports an average of 100 bushels to an acre on 60 acres.

Buchanan's Paymaster is sold only in printed bags and bears our registered trade mark (Buck Brand), and you should be careful in buying your corn, as there is Red Cob Corn grown in practically every corn growing state in the Union, and we do not want to see you imposed upon by anyone who would take advantage of you by getting any kind of a Red Cob Corn and representing it to be Paymaster, knowing little and caring less about the results you would get.

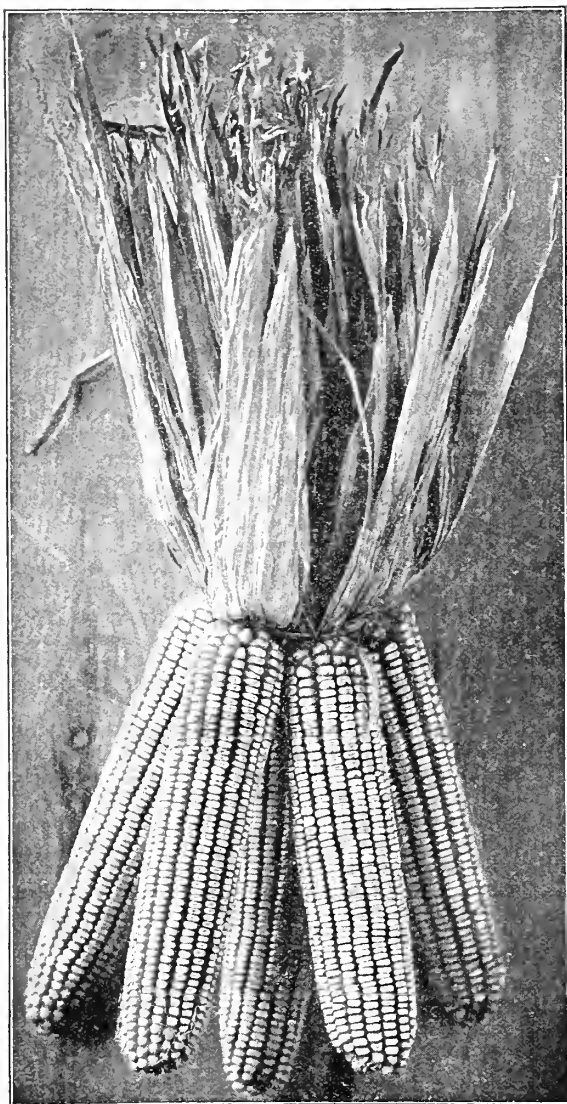
Buchanan's Improved Paymaster is suited for both lowlands and good uplands. It will produce a medium stalk with two good ears, broad white grains on a bright red cob—fills out well and is covered to the end of cob—completely covered with shuck, shutting out insects, birds and bad weather. Price— $\frac{1}{2}$  gal., 75c; 1 gal., \$1.00; 1 peck, \$1.50;  $\frac{1}{2}$  bu., \$2.50, post paid. Write for wholesale prices on quantities.

### (1128) Buchanan's Champion White Dent

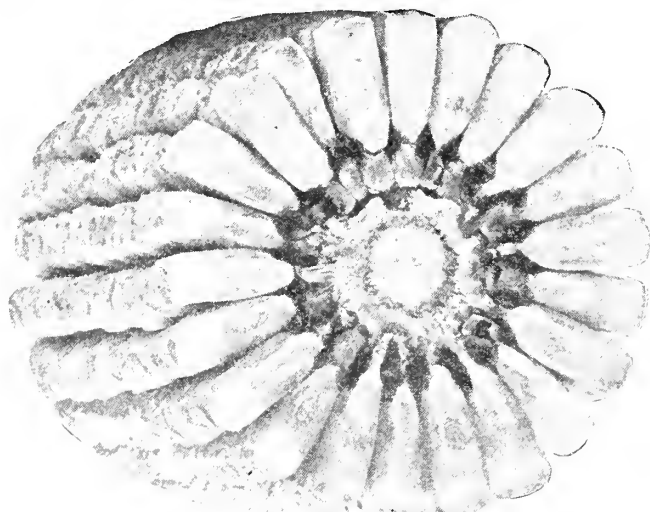
**BUCHANAN'S CHAMPION WHITE DENT (90 days)**—It is the earliest large-eared white field corn known. It is an early White Dent, coming in almost as early as the Early Surprise, but much larger; sample ears have been shown us 14 inches in length and  $3\frac{1}{2}$  inches in diameter. For stock feeding it is very valuable; coming in as it does when all fodder is short, it fills a breach which all stock feeders can appreciate. Again, it is a corn that has made itself before the hot, dry weather and when other field varieties must make their growth. Champion Early White Dent is a safe crop to plant anywhere. It adapts itself to hard conditions, and comes nearer to making a crop than any other white corn you can plant. Price— $\frac{1}{2}$  gal., 50c; 1 gal., 75c; 1 pk., \$1.25;  $\frac{1}{2}$  bu., \$2.25, post paid. Write for wholesale prices on quantities.

### (1126) Buchanan's Long Grain Red Cob Corn

**TENNESSEE WHITE, RED COB (120 days)**—An extra large field corn; grains long, broad and evenly lined on large red cob. The ears of this sort will run from 9 to 12 inches long and have from 18 to 20 rows. It is a rather late maturing sort but for bottom land and main crop this corn cannot be excelled. This is not only one of the largest grain, greatest yielding and one of the highest feeding and best milling corns grown in the South, but owing to the fact that the stalks grow from 8 to 12 feet high, are broad, strong and short jointed it makes one of our best ensilage corns. Price— $\frac{1}{2}$  gal., 65c; 1 gal., 90c; 1 pk., \$1.35;  $\frac{1}{2}$  bu., \$2.35, post paid. Write for wholesale prices on quantities.



Buchanan's Paymaster Corn



Buchanan's Long Grain Red Cob Corn

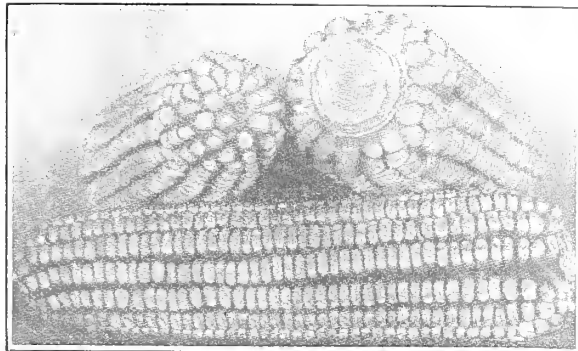
It only costs a little more to plant an acre of corn with pure bred seed than to plant it with crib run seed



**R. B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

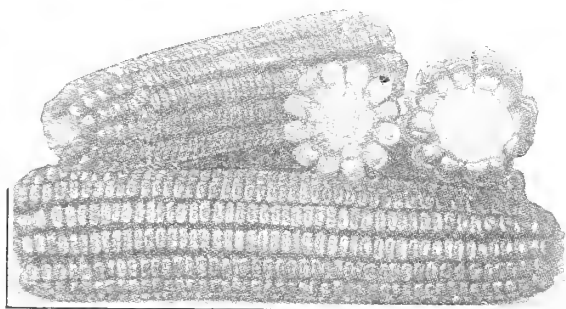
## Buchanan's Seed Corn

**1135 BUCHANAN'S WHITE PROLIFIC (120 Days)**—Requires a fairly long season to develop hard corn, 110 to 120 days. Stalk is large, 8 to 12 feet tall, according to soil and season, rooting deeply. Stalk and blades are large and vigorous. Ears of medium size, two or more to the stalk, depending on the distance given and the growing conditions. On good strong land where the corn has distance of 24 to 30 inches in the row, it often makes 4 to 6 ears to a stalk. The ears are well filled out and weigh from 8 to 12 ounces. The grains are deep, white and hard. The cob is small. Seventy pounds of ear corn will usually shell out 61 to 63 pounds of grain. Shuck is heavy and covers the ear tightly, keeping out birds and insects and preventing loss in late, wet seasons, when other corn rots badly on account of storm injury. The best white prolific corn for grain production, for roasting ears, for making meal, and for stock feeding. Price— $\frac{1}{2}$  gal., 65c; 1 gal., 90c; 1 peck, \$1.35;  $\frac{1}{2}$  bu., \$2.35, post paid.



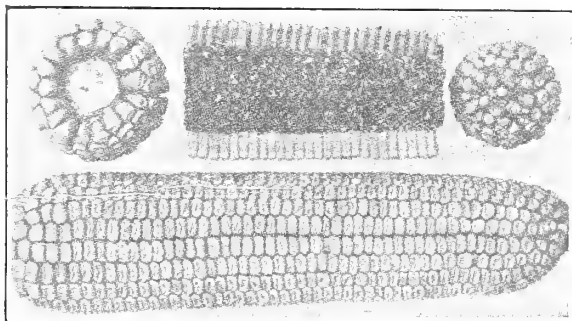
1135 Buchanan's White Prolific

**1133 BUCHANAN'S BIG WHITE JUNE (80 to 90 Days)**—A superior variety to the Mexican June originated in Mexico, grains pure white, ears a little larger than North Carolina, grows successfully with only half normal rainfall and adapted to all soils in the Cotton Belt. The heavy root system makes it resistant to hot, dry weather. It is very prolific, bearing two to three ears to the stalk. We do not, however, advise early planting, but if conditions are such that you want to plant corn after July 1st this variety will give you more corn than any you can plant. Price— $\frac{1}{2}$  gal., 50c; 1 gal., 75c; 1 peck, \$1.25;  $\frac{1}{2}$  bu., \$2.25, post paid.



1133 Buchanan's Big White June

**1134 BUCHANAN'S IMPROVED BIG MEXICAN JUNE CORN (80 to 90 Days)**—This corn, originally from Mexico, has a distinct place to fill in the Cotton Belt, not as a general crop corn, but one to fill in with on late plantings. It is largely used in the Southwest for planting after oats and wheat. We do not advise (if grain is wanted) planting until after June 1st in the South. Between June 1st and July 10th is best. If planted earlier the tendency is to run largely to stalk and making little grain. It is a great drouth resister and usually, if there is enough moisture to sprout the seed, a crop is assured. If wanted mostly for forage or ensilage, plant in April or May. Early planting makes stalks 12 to 15 feet high, leaves 4 to 6 feet long. Ears 8 to 9 inches long, grains short to medium, cobs medium in size and, while blue and red grains often appear, sometimes only one to three to the ear. Mexican June also makes fine roasting ears for use right up to frost. Price— $\frac{1}{2}$  gal., 50c; 1 gal., 75c; 1 peck, \$1.25;  $\frac{1}{2}$  bu., \$2.25, post paid.



1139 Tennessee Yellow Dent

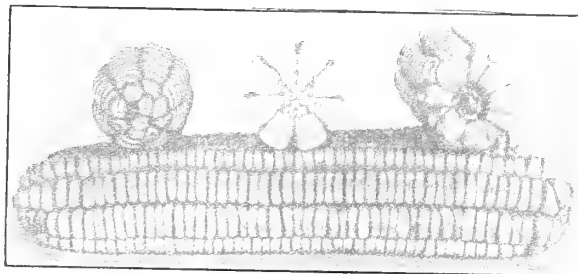
**1136 MOSBY'S PROLIFIC (120 Days)**—The most prolific corn in existence; the stalks are tall, bearing 3 to 5 fine ears. The grains are long, set close to a small white cob, very uniform in shape, well filled. It has good roots and will withstand storms better than any other prolific sort. Price— $\frac{1}{2}$  gal., 50c; 1 gal., 75c; 1 peck, \$1.35;  $\frac{1}{2}$  bu., \$2.25, post paid.

**1137 NORTH CAROLINA (120 Days)**—Our grower of this variety of corn lives in Shelby County, Tennessee, has grown no other corn for years. He has bred this corn to a medium stalk, producing 4 to 6 ears. This corn will stand in the field after maturing through rain, storms and snow, and deteriorates less than any variety of corn grown today. Price— $\frac{1}{2}$  gal., 60c; 1 gal., 85c; 1 pk., \$1.35;  $\frac{1}{2}$  bu., \$2.35, post paid.

**1127 BOONE COUNTY WHITE (120 Days)**—A large eared late maturing variety. An excellent variety where the season is not too short. Price— $\frac{1}{2}$  gal., 60c; 1 gal., 85c; 1 pk., \$1.25;  $\frac{1}{2}$  bu., \$2.25, post paid.

**1129 IOWA SILVER MINE (90 Days)**—The stalks grow to a height of 7 or 8 feet, and set the ears about  $3\frac{1}{2}$  to 4 feet from the ground. Price— $\frac{1}{2}$  gal., 50c; 1 gal., 75c; 1 pk., \$1.25;  $\frac{1}{2}$  bu., \$2.25, post paid.

**1130 WISCONSIN WHITE DENT (75 Days)**—A Northern grown very early small eared corn, highly recommended where an early feed crop is needed or for producing roasting ears for market. It will prove its worth to the man who is short of feed and needs a corn to make quickly; also to those who owing to drouths, floods or other disasters find it necessary to plant corn after July 1st. It is indeed wonderful for late planting. Price— $\frac{1}{2}$  gal., 50c; 1 gal., 75c; 1 pk., \$1.25;  $\frac{1}{2}$  bu., \$2.25, post paid.



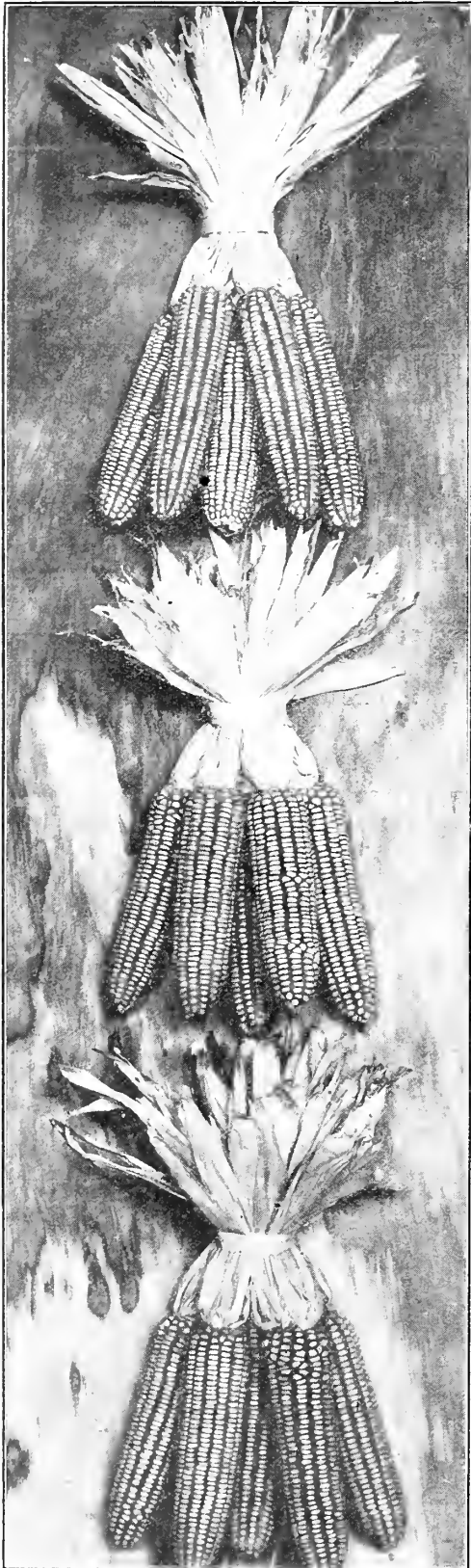
1132 Hickory King

**1132 HICKORY KING (110 Days)**—This is an entirely distinct variety among the white corns, combining the largest grain with the smallest cob. Ears fill out well and will make more shelled corn to bulk of ears than any other variety. It is good for roasting ears to follow Early Surprise; makes splendid quality of corn meal, and is just the right sort for stock feeding, being almost all corn and very little cob. Price— $\frac{1}{2}$  gal., 50c; 1 gal., 75c; 1 pk., \$1.35;  $\frac{1}{2}$  bu., \$2.25, post paid.



**R.B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.**

**BUCK BRAND TESTED SEEDS**



**Buchanan's Golden Prolific Corn**

The most satisfactory yellow prolific corn known for Southern planting.

## Buchanan's Golden Prolific Corn

A NATIVE SOUTHERN YELLOW CORN

For many years we have had hundreds of inquiries for a yellow prolific corn (we have it now)—after several years experimenting with various varieties of yellow corn, we offer to our customers as the first yellow prolific corn we ever sold, which we have named Buchanan's Golden Prolific.

It has proven its worth on those soils in middle Tennessee which contain an abundance of potash and phosphate, has produced above the average on our poor clay soils in West Tennessee and the picture shown on this page was planted July 11, 1927, on black loam soil in Crittenden County, Arkansas, and gathered October 15.

We do not call this a flint corn, yet it is hard enough to be resistant to both weevil and birds and will not rot like the soft corns if blown down before gathering time in the Fall—in comparing it with white corn, we say it is very much like the North Carolina White Corn.

1144—BUCHANAN'S GOLDEN PROLIFIC—A yellow prolific corn with husk covering the ears so completely and tightly that it is practically impossible for any bird or weevil to get to the corn in the field. It is the hardest grained and makes the most solid ear of any yellow corn that we know with the exception of the Cuban Yellow Flint. It resists drouth remarkably well, produces two good medium size ears to the stalk and is in great demand on the Memphis market for roasting ears.

Buchanan's Golden Prolific is a two-ear corn, you seldom find a stalk growing more than two ears and very seldom find a stalk with only one ear. It is a hundred day corn. The corn from which the picture on this page was made was planted July 11, 1927, and hard corn gathered for this picture October 15. Price— $\frac{1}{2}$  gal., 50c; 1 gal., 85c; 1 pk., \$1.50;  $\frac{1}{2}$  bu., \$2.75, post paid.

1139—TENNESSEE YELLOW DENT (90 days)—My most popular variety of Yellow Field corn, produces a medium stalk with two good ears of uniform size and shape, 8 to 10 inches long, with 14 to 18 straight rows of yellow kernels on a medium-sized red cob, and ears are well filled out over tip. Tennessee Yellow Dent is often called drouth resister, as it will produce more corn on our thin uplands during a drouth year than any other known corn; owing to its earliness in maturing, it is planted by the man who is short of feed, and comes in just in time to finish his crop, when his own feed is so near exhausted and all feedstuff is usually at the highest market prices. I do not consider it a good main crop for bottom lands as it will not stand bad weather as well as the white prolific varieties. I sell more of this variety of corn each year than all other Yellow varieties combined. Price— $\frac{1}{2}$  gal., 50c; 1 gal., 85c; 1 pk., \$1.50;  $\frac{1}{2}$  bu., \$2.75, post paid.

1141—IOWA GOLD MINE (90 days)—An early yellow sort, having good size ears. It originated in the West where it is very popular, and east of the Mississippi has found high favor among most growers. Grains are golden yellow, very deep, set on small cobs and an ideal sort for bottom lands or where there is trouble with curing because it dries out easily and quickly without molding. Price— $\frac{1}{2}$  gal., 40c; 1 gal., 75c; 1 pk., \$1.25;  $\frac{1}{2}$  bu., \$2.25, post paid.

1142—REID'S YELLOW DENT (110 days)—We offer the pure type of this leading standard variety, which stands among the best all-round purpose Yellow Dent corns grown. Color deep yellow, with lighter cap. Grains very deep, closely packed; butts and tips almost entirely covered over. Slightly rough, with grains dented on top. Leaves and stalks of Reid's Yellow Dent make the finest ensilage and fodder. Price— $\frac{1}{2}$  gal., 40c; 1 gal., 75c; 1 pk., \$1.25;  $\frac{1}{2}$  bu., \$2.25, post paid.

### THE BEST VARIETY OF CORN TO PLANT

With corn, as with other crops, no one variety has all the good qualities. No one variety is best for all soils and conditions. It is necessary, therefore, that we endeavor to supply the very best seed of the variety which is best adapted to your requirements. We have found that, as a rule, the Southern varieties give the largest yields in the South, but for those who want quicker action we are prepared to supply the best Northern and Western varieties.

FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.



**R.B. BUCHANAN SEED CO.**

**MEMPHIS, TENNESSEE.**

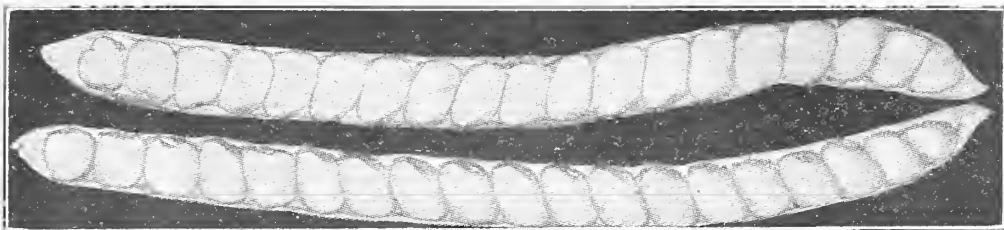


**BUCK BRAND TESTED SEEDS**

## Buchanan's Cowpeas and Table Peas

The prices on Cowpeas, Field Beans, and Edible Cowpeas are constantly changing, and it is impossible to quote prices on quantities when this catalogue is printed, but in season we will quote prices promptly upon receipt of your inquiry asking for same.

PEAS—For field planting it requires 1 to 2 gallons drilled to the acre; broadcast 1 to 2 bushels to acre—60 lbs. to bushel.



### BUCHANAN'S CREAM OR SUGAR CROWDER PEAS

#### Field Peas

All Prices on This Page Post Paid

#### Table Peas

1235

**WHIPPOORWILL**—A favorite, early, upright-growing variety, more largely used and sold than any other kind. Has brown speckled seed, which are easily gathered. Makes a good growth of vines, which can be easily cut and cured as dry forage. We recommend this where an early variety of good growth and height is desired. Pkt. (4 oz.) 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 40c; pk. (15 lbs.) \$1.60.

1238

**NEW ERA**—An early maturing variety which has proved very popular and satisfactory. Upright growing, quick to mature, and is remarkably prolific of peas. Rather small vine which cures easily, making splendid dry forage. The seed are smaller in size than the ordinary Cowpeas, so that it does not require as many to seed an acre—from 3/4 to 1 bushel per acre will give ample seeding. Pkt. (4 oz.) 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 40c; pk. (15 lbs.) \$1.60.

1239

**BLACK**—This is the standard variety, and the one most largely grown in this immediate section. It is very prolific, makes a fine growth, both of vine and leaves, and a good yield of peas. It is a splendid land-improver, and most valuable as a forage crop, and makes an enormous yield of rich, nutritious feed. Pkt. (4 oz.) 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 40c; pk. (15 lbs.) \$1.60.

1236

**THE CLAY**—It is the most popular pea in the South. The plants are vigorous, usually seeding sparingly. Tall, erect, large green leaves. Pods are large and yellowish; seeds kidney shaped, medium size, cream color; medium to late. Pkt. (4 oz.) 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 40c; pk. (15 lbs.) \$1.60.

1240

**RED RIPPER**—Red-seeded; a most desirable and productive variety. Makes long running vines and a fair yield of peas. One of the medium late varieties. Very popular in sections where it is known. Pkt. (4 oz.) 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 40c; pk. (15 lbs.) \$1.60.

1237

**MIXED COWPEAS**—The principal varieties in the Mixed Cowpeas we offer are the Clay, Black, Wonderful, Whippoorwill and other Southern varieties. A great many Southern farmers prefer to sow Cowpeas in mixture, as they grow thicker, producing a better crop of vines and forage than sowing single varieties alone. Where the crop is desired for soil-improving it is really an advantage to sow these mixed peas. Pkt. (4 oz.) 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 40c; pk. (15 lbs.) \$1.60.

1241

**CREAM CROWDER**—A strictly southern grown table pea, has been known to a few many years, growing in popularity very rapidly both for gardens and for planting on a large scale with corn. It is white or cream in color, very sweet and gets the name Crowder from the fact that they fit the hull very closely. (See cut). This is a bunch pea and very prolific on any fertilized garden, and should be planted as you would any other bunch garden pea. They thrive on clay or sandy loam land and respond readily to corn fertilizer. Planted with corn, 1 row of corn and 1 row of peas (1 peck to acre), you will get usual amount of corn and from 10 to 20 bushels peas to the acre, depending on the fertility of the land. They sell well on any southern market, both as a green shelled pea and as a dry shelled pea for winter use. My stock is carefully machine cleaned and hand picked for seed purposes. Pkt. (4 oz.) 10c; ½ lb. 20c; 1 lb. 35c; 2 lbs. 60c; pk. (15 lbs.) \$3.85.

1242

**RICE, OR CREAM**—A favorite Southern variety. One of the earliest to mature, and yields enormously of shelled peas, which are valuable for use as dried peas during the winter. They are superior in flavor to Blackeye Peas, and somewhat similar in appearance to the Gallivant, or Lady Pea, but are larger in size. Both these and the Gallivant Peas are very popular wherever grown, and they are usually readily salable at higher prices than Blackeye Peas. Pkt. (4 oz.) 10c; ½ lb. 20c; 1 lb. 35c; 2 lbs. 60c; pk. (15 lbs.) \$3.75.

1243

**EXTRA EARLY BLACKEYE**—These are ten days to two weeks earlier than the Large Blackeye, and a most valuable variety. They do not run as much as the Large Blackeye Pea, but grow more in bush shape and hold the peas up well off the ground, and the pods are very thick-set on the vine. Pkt. (4 oz.) 10c; ½ lb. 20c; 1 lb. 30c; 2 lbs. 50c; pk. (15 lbs.) \$3.00.

1246

**GALLAVANT OR LADY**—This is an old-fashioned pea, which is very popular in sections where it is known. The peas are small in size, of very fine flavor; superior in table qualities to the Blackeye Pea. It is very prolific, and a desirable variety to grow. It is known in some sections as "The Lady Pea." Pkt. (4 oz.) 10c; ½ lb. 20c; 1 lb. 35c; 2 lbs. 60c; pk. (15 lbs.) \$3.85.

1245

**LARGE BLACKEYE**—The Large Blackeye Peas are more prolific, better flavored, and bring a higher price than the ordinary Blackeye, and farmers will find it more profitable to plant these than the ordinary Blackeye; they make a more profitable crop to grow for picking the dry peas for sale in our markets during the winter. Pkt. (4 oz.) 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 40c; pk. (15 lbs.) \$2.75.

1244

**WHITE BROWN-EYED**—A very desirable table pea and very much like our old-fashioned white black-eyed peas. Pkt. (4 oz.) 10c; ½ lb. 15c; 1 lb. 20c; 2 lbs. 40c; pk. (15 lbs.) \$2.75.

FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS****Long Staple Cotton**

(1160)—**MIS DEL COTTON—No. 1**—Is the result of scientific breeding of Mr. Ayres of the Delta Experiment Station, from selections of the Delfos varieties left to him by Dr. Brown whom Mr. Ayres succeeded as Plant Breeder in 1923. It is claimed to be more prolific. Better gin percentage than its Delfos parentage. The field results of Mis Del this season have shown up wonderfully well.

Mis Del No. 1 is the largest boll and greatest lint per cent variety of Delfos yet developed, is quick maturing and a heavy producer of 1 7/32 inch lint.

I am sure I can satisfy you as to the purity of the seed I am offering, and I know they are the equal of any other Mis Del No. 1 seed being offered.

Price—Per bu. (32 lbs.) \$2.25; 100 lbs. \$5.00; 500 lbs. \$22.50. Not prepaid. Write for prices on quantities.

(1160-A)—**MIS DEL COTTON—No. 2**—Is the earliest, most prolific, medium sized boll strain of Delfos ever developed.

Type—Open, spreading, semi-dwarf stalk with small leaves. Maturity—The earliest we know of. Boll size—75 to 80 per pound. Prolificness—The most prolific and close-fruited of all staple cottons. Highly storm-resistant. Lint percentage—34 to 36 per cent and better. Staple—One and one-eighth inches to one and three-sixteenths inches.

Price—Bu. (32 lbs.) \$2.25; 100 lbs. \$5.00; 500 lbs. \$22.50. Write for prices on quantities.

### Long Staple Cotton

(1150)—**DELFOF—6102** has low, spreading, open plants, with comparatively slender main stem and branches; the fruit branches are long and numerous; one to four vegetative branches are found on the plants if wide-spaced; leaves are small; bolls are narrowly ovate, short-pointed, 4 and 5-locked, open well, and run 70 to 80 bolls to the pound of seed cotton; lint percentage 31 to 32; lint length 1 1/8 to 1 3/16. Delfos 6102 is very early and very prolific. Is especially well adapted to planting on new ground or on lands that are so fertile that other varieties of cotton when grown on them become too rank. It does well on medium fertile land.

Price—Per bu. (32 lbs.) \$2.00; 100 lbs. \$4.75; 500 lbs. \$21.25. Not prepaid. Write for prices on quantities.

(1149)—**DELFOF 911**—Is a selection from Delfos 6102 and the best and most intelligent way that I can describe this variety is to compare it with the above variety, and in doing so, I want to give full credit to Mr. W. E. Ayres, director in charge of the Delta Branch Experiment Station at Stoneville, Miss., where Delfos Cotton was first originated.

Delfos 911—Is a strain of 6102, is more vigorous, has larger bolls and lint which is 1/16 of an inch longer than 6102. The fiber of Delfos 911 has the most quality and drag of any of the Delfos strains. There is no question but that when it is available in commercial quantities it will command a premium over other cottons of the same length. It is a larger stalk, larger boll and much easier to pick than Delfos 6102.

Our seed is grown on plantation and ginned at private gin, there being no other cotton except Delfos 911 grown on this plantation and no other cotton except Delfos 911 ginned at this gin.

Price—Per bu. (32 lbs.) \$2.00; 100 lbs. \$4.75; 500 lbs. \$21.25. Not prepaid. Write for prices on quantities.

**DELFOF 631**—Plant erect, medium height, rather open; two or more well developed vegetative branches; main stem taller and heavier than in Delfos 6102; fruit limbs short to medium length; leaves small to medium sized, somewhat hairy, three to five lobed and medium green; involucre bracts rather large with prominent teeth; calyx lobes rather prominent; bolls medium large, ovate, long-pointed, sixty-four to seventy to pound; bolls open well and are fairly storm-proof. Burs straight, of medium weight, and not troublesome in picking; seeds medium sized, covered with heavy white fuzz; staple 1 3/16 to 1 1/4 inches; lint percentage 30 to 31.5. Delfos 631 resembles Delfos 6102 in general appearance.

Price—Per bu. (32 lbs.) \$2.00; 100 lbs. \$4.75; 500 lbs. \$21.25. Not prepaid. Write for prices on quantities.

Fertilizers for all crops shown on pages 92 and 93





Medium Staple Cotton

## Read What Others Say About Wannamaker-Cleveland

Alford Company Feed Store, Duncan, Miss. Oct. 25, 1929. Just a word on the Wan-Cleveland Cotton seed bought of you last spring. I am satisfied we are picking a bale and better per acre, however the land has not been measured with a chain. It is good soil and cotton was planted about 1st of May, the last cotton on the place to be planted. We are getting a very satisfactory turnout. Giving you copy of the gin tickets, 9/30th ticket No. 1253 Seed Cotton 1510 lbs., Bale 505 lbs.; 10/4th No. 1450, Seed Cotton 1570 lbs., Bale 565 lbs.; 10/11th 1633, Seed Cotton 1630 lbs., Bale 565 lbs. This is the way they run. We sold this cotton for 19½ cents and the last for 18½ cents, ½ cent less than the other cottons which take 1750 to 1800 lbs. to make the same turnout.

H. D. Tomlinson, Butler, Ark. Dec. 1, 1924. In answer to your inquiry on reverse side of this letter as to the Wannamaker Seed purchased from you last spring will say that I am well pleased in every way with the seed. They were planted on both kinds of soil, black and sandy loam. The turnout was good, 1500 lbs. making a 500 lb. bale all the time and some few cases of 1450 making a 500 lb. bale. The price was 26¼c on the first sold on Oct. 6th—23¼c on Oct. 20th and 23¼c on Nov. 4th. Have saved nearly all the seed and would sell some for \$85.00 as they are worth it.

E. H. Conner Mer. Co., Augusta, Ark. Dec. 1, 1924. Seed was sold out of the Wan-Cleveland Cotton Seed in small lots to various parties, but from all reports we have had, results were very satisfactory, yield of lint running around 33 to 35. However, the yield per acre was very different, as our crops were spotted, but with all would say the seed were satisfactory.

W. P. Render, Lake City, Ark. Nov. 20, 1924. In regard to your letter written on the other side. The cotton seed which I got from you was of a late variety. It made about 1000 lbs. to acre. Planted on sandy land. Takes about 1650 lbs. per bale.

Jim McDaniel, Hamlin, Ark. Nov. 19, 1924. The seed proved satisfactory. Will replant again this incoming year. Cotton seed about 1/3 itself. 23c per pound when sold.

Pearl Bledsoe, R. 1, Box 68, Turrell, Ark. Dec. 3, 1924. I received your letter asking me about the Wan-Cleveland Cotton Seed I bought in the spring. They did fine. They made right at a bale to the acre. I planted it in sandy loam. It takes 1500 lbs. seed cotton to make a 550 lb. lint cotton. I sold it for 24c. So far as my experience it is as good a cotton seed as anyone can plant.

C. R. French, Harrisburg, Ark. Nov. 19, 1924. We like the Wan-Cleveland Cotton Seed fine. Planted it on rather thin land and the result was very satisfactory. Opens early, easy to pick, more than thirds itself at the gin and has about inch staple or more. Would unhesitatingly recommend this cotton to anyone wanting cotton seed to plant.

### FERTILIZER

If you are not getting more than a half bale of cotton per acre you are growing cotton at a loss. Fertilizer properly used will make your cotton yield a profit. See pages 92 and 93 for descriptions. Write for special prices on quantity lots.

### BOLL WEEVIL & ARMY WORM

For Boll Weevil or Army Worm attacks use Calcium Arsenate. For Red Spider use Superfine Sulphur. Our stocks are sufficient to supply your needs.

See Pages 88, 89.

## Medium Staple Cotton

(1151)—WANNAMAKER CLEVELAND—One of the best and earliest large-boll varieties, and is well adapted to boll weevil lands. Bolls are large and thick; requires 52 to make a pound. Lint runs 1 to 1 1/16 inch, strong and very often brings a premium. Seed, snuff colored and medium size, outturn at gin 33 1/3 to 40 per cent. Stalk is branching in growth with 5 or 6 primary limbs. This cotton is more widely grown in the cotton belt than any other variety, and none is more prolific.

At the Delta Branch Experiment Station, Stoneville, Miss., Wannamaker-Cleveland showed the highest both 5 and 10-year average of dollars and cents production to the acre than any cotton in its class, and the cotton that produces the most dollars and cents to the acre on your land is the cotton for you to plant.

Our stock of this seed is grown for us along the northern edge of the cotton belt, as our many years' experience has proven to us that cotton seed produced along the northern edge of the cotton belt in Tennessee and North Carolina will mature from ten days to two weeks earlier when planted further South than cotton seed grown in the middle or Southern part of the cotton belt, and you know from experience that to get your cotton on the market ten days to two weeks ahead of your neighbors, and before the market declines, means many more dollars to you. Remember this: I believe Wannamaker-Cleveland cotton is the only variety of cotton being grown today that was being grown twenty-four years ago when I entered the seed business—it has stood the test and proven its worth.

Price—Per bu. (32 lbs.) \$2.00; 100 lbs. \$4.25; 500 lbs. \$20.00. Not prepaid. Write for prices on quantities.

(1162)—D. P. L. No. 4 COTTON SEED—From bulletin No. 16 put out by the Delta Pine and Land Company of Mississippi, we read that D. P. L. No. 4, after having gone through most rigid experiment tests, stands head and shoulders above any cotton seed tested by the three Hill State Experiment Stations of Mississippi and that wonderful reports have been coming in about this cotton from North Carolina, Georgia, Alabama, Arkansas and Louisiana. In fact, wherever planted. Even in the Delta it is proving just as good.

D. P. L. No. 4 is extremely storm-proof. In picking the cotton comes away from the boll cleanly; still it does not string out and fall on the ground under ordinary weather conditions. All cotton classers give it the highest character of lint. In the uplands it made a good full inch but in the creek bottoms and Delta lands it pulls an inch and a sixteenth to an inch and an eighth. It is very hard and strong, has a silky feel to the hand and a beautiful lustre.

D. P. L. No. 4 is very disease-resistant. With other varieties in the same test fields this year wilting badly, not a wilted stalk was found on No. 4.

We unhesitatingly recommend the D. P. L. No. 4 for all upland sections where short cotton is usually planted, and present it to the public, believing that it will prove itself to be the greatest upland cotton thus far produced.

Price—1 bu. (32 lbs.) \$2.00; 100 lbs. \$4.75; 500 lbs. \$22.50. Write for prices on quantities.



Wannamaker-Cleveland Cotton



Short Staple Cotton

## Short Staple Cotton

### Buchanan's Improved Half and Half Cotton Seed

Will produce more dollars to the acre on hill land than any cotton grown

(1152)—**HALF AND HALF**—It is the earliest, heaviest yielding cotton known, has large bolls, is easy to pick, almost rust-proof and the best drouth resisting cotton we know. Our Pure Bred Half and Half Cotton will turn out 42 to 46 per cent lint at gin and we have had customers report 48 to 50 per cent lint—under normal conditions—1,050 to 1,200 lbs. will turn out a bale weighing 500 to 550 lbs.—it is short staple and produces a three-quarter to one inch staple.

The yield per acre, length of staple and the turn-out at the gin will largely depend on the season, the nature of soil, the manner of handling and ginning.

Buchanan's Pure Bred Half and Half Cotton Seed grown here in Tennessee (extreme northern edge of the cotton belt) will mature from 10 to 20 days earlier than the same variety and other varieties grown further south. This advantage alone often insures our customers splendid yields when seed grown further south fails.

On the next page of this catalog I have printed many testimonials from many states on our Half and Half Cotton Seed, giving customer's name and address, and have hundreds more which I will publish later (did not have room to publish all of them). Will give any man \$100.00 to prove that any one of these testimonials is not true.

The good name of Half and Half Cotton has been imposed upon by some who go into the seed business a few months each season; know nothing about seed, and care less about those to whom they sell; buy up gin-run seed and sell them for Half and Half.

Do not send your money away to unknown or irresponsible people, although they make many claims and quote cheap prices—cheap seed, which naturally means low grade, is the most costly merchandise that money can buy. October 1, 1930, begins my 25th year as a seedsman, and my reputation for 24 years is back of every sack of seed we ship.

Price—Bu. (32 lbs.) \$2.00; 100 lbs. \$4.25; 500 lbs. \$20.00. Write for car lot prices. Prices will advance as good seed get scarce.

### MISSOURI

W. A. Markel, Neelyville, Mo. Oct. 24, 1929. Owing to the unusual fall we have been able to sell our Half and Half cotton in seed while green, but now we will win the balance. If you will remind me of this in 10 days, I can give you facts as desired. As to germination shown in stand, it was excellent. In 1928 I bought Improved Early King's from your house. Ginned and saved 600 pounds seed last year. On Oct. 21, 1929, I baled a 510 lb. bale from 1385 lbs. seed cotton. I am enclosing gin ticket. This was ginned last year at a local gin and of course got mixed some.

Sail Stubbs, Holland, Mo. Oct. 28, 1929. I am well pleased with the cotton seed I ordered from you last spring. I planted them on black land, using no fertilizer at all. I will get a bale per acre and too, it is a fast making cotton and a cotton picker's friend. I use 1500 lbs. field weights. My bales weighed 675 and 600 lbs. I got 18c and 19c per pound. Oh, well, to make a long story short, it is the best all the way around cotton that I have ever raised yet. Thanking you for this privilege and hoping these few words will be of some help to some good farmer who is trying to go to a success as myself. The Half and Half Cotton Seed is the seed to plant.

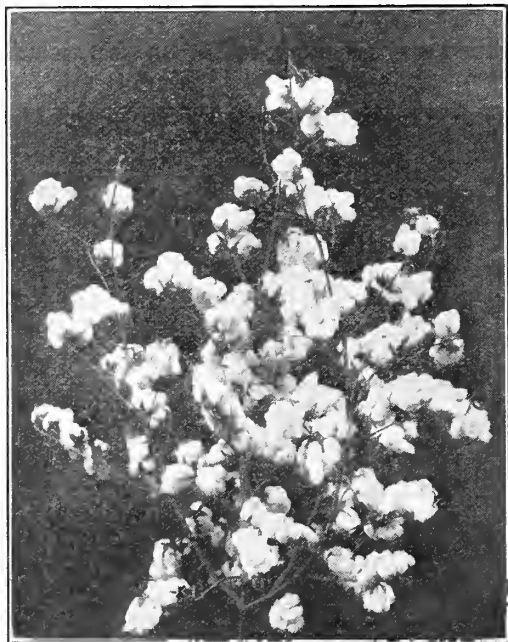
John Mayberry, White Oak, Mo. Oct. 29, 1929. I am very much pleased with the cotton raised from the seed I bought from you last spring. I planted these seed in a field to themselves and I am saving all the seed. I expect to plant my entire crop with these seed next year.

### King's Improved Cotton

We buy our stock of King's Early Improved Cotton each year from reliable growers in the county in North Carolina near the Virginia line where this cotton originated.

Remember this: Experience taught us many years ago that cotton seed grown near the northern edge of the Cotton Belt will mature 10 to 20 days earlier than cotton seed produced farther south, and that means much to all cotton growers in these days of the boll weevil.

(1153)—**KING'S IMPROVED (Short Staple)**—Small stalk, spreading limbs, medium boll, very early and very prolific, blooms in 60 to 70 days, and ready to pick in 100 days. It is a very hardy plant and has many advantages over the big boll late-maturing varieties; it will produce more pounds to the acre and a larger percentage of lint than any other short staple cotton on the market except Buchanan's Improved Half and Half. It has very little foliage and consequently it is well adapted to boll weevil conditions, letting in the sunshine, which is the weevil's worst enemy, and causing the cotton to mature early. Staple 1 to 1 1/16 inch, yielding 34 to 40 per cent lint. Price—1 bu. (32 lbs.) \$2.00; 100 lbs. \$4.25; 500 lbs. \$20.00. Write for prices on car lots. Prices will advance as good seed get scarce.



Improved Half and Half Cotton

FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.

**BUCK BRAND TESTED SEEDS**

Read these letters about Buchanan's Half and Half Cotton Seed. We have thousands of others. If there is any doubt in your mind about these letters being genuine, write to them. The names and addresses are given with each letter.

**MISSISSIPPI**

Mrs. H. L. Yarbrough, Tunica, Miss. Oct. 24, 1929. The Cotton Seed you shipped me was everything you claimed them to be. I believe more money to be made from Half and Half Cotton than any other type. Can't say too much for Half and Half Cotton. Planted on rich sandy loam land about an acre, no fertilizer used. Made a few pounds over 600 lb. bale.

S. M. Reddick, Canton, Miss. Oct. 25, 1929. Used your seed on hill land after turning under vetch and oats. Made nine bales same land last year without vetch and oats and other seed. The tenant made 2½ bales. Other tenants that used your seed were in proportion to the above. Gin turnout average 42%.

W. R. Cumberland, Waynesboro, Miss. Oct. 25, 1929. I used your Half and Half Cotton Seed this year. I was well pleased with it. I planted it on very good ground. Put 400 lbs. of 8-4-4 fertilizer under it. No side dressing. 1240 lbs. seed cotton gave me a 505 lb. bale at gin. I will plant the same kind next year.

W. B. Huskinson, New Albany, Miss. Nov. 1, 1929. I planted the Half and Half Cotton Seed I ordered from you on sandy loam. I had one patch with three-fourths of an acre in it. This patch made a 400 lb. bale of cotton with a 43% lint turn-out. I used one hundred and fifty pounds of 8-4-4 on the patch and sold the cotton for as much as any other short staple cotton was bringing. I sold some of the seed to a man and he made close to a bale per acre on ordinary clay land.

W. D. Wade, New Albany, Miss. R. 3. Oct. 28, 1929. I planted those seed on land I suppose has been run in cotton for 40 years without a change. I used about 250 lbs. fertilizer per acre. It seemed that every seed came up. I made about ½ bale per acre, 1300 lbs. gave me a bale weighing 530 lbs. I like this cotton fine.

George Brown, Lyons, Miss., Nov. 1, 1929. I am glad to recommend your Half and Half to my many friends. I got a good price for it. The turn-out at the gin was remarkable. I planted it on my farm, the grade of land was dark loam soil. The increase on the piece of land averaged bale and ¼ per acre. The price excelled Delfos.

H. E. Jowers, Lena, Miss. R. 1. Oct. 29, 1929. I ordered some of your Half and Half Cotton Seed last spring and am more than pleased with it. It is early and matures fast. I don't think that any other cotton can take its place. It turns out well at the gin as well as in the field. I made a bale to the acre this year. I planted it on up hill land, black sandy soil. I used 500 lbs. of 8-4-4 fertilizer to the acre. I advise every man that wants to make good in cotton to buy Half and Half Cotton Seed.

J. A. Bonner, Enid, Miss. Oct. 28, 1929. I planted about six acres of your Half and Half Cotton and will get 5 bales. 1300 lbs. make a bale 485 lbs. The land this cotton was raised on was old creek bottom, no fertilizer was used. I got in ½ of the price of all other cotton. I think it is the best cotton to raise.

John Hill, Sledge, Miss. R. 1. Box 36. I like this Half and Half Cotton Seed fine. I planted it on light soil, no fertilizer except 4 loads of barnyard fertilizer. I had one acre of it and it made under a heavy drouth which lasted all of August. It made one bale of cotton, weight 535 lbs. It sells from 3 to 4c less than my Delfos. 1350 lbs. of seed made this bale. I like this cotton fine.

Blanche E. Stong, Marks, Miss. Oct. 28, 1929. In reply to your letter will say that the Half and Half Cotton Seed bought of you last spring turned out fine under conditions. I planted on a plot of land of two acres, land very poor and used 75 lbs. of nitrate of soda to the acre. Planted the 23rd of May. Have ginned one bale. Put 1400 lbs. to the bale and it weighed 540 lbs. Have 575 lbs. picked and to my estimation have about 200 lbs. to open. Cotton was down and I only got 17½c per lb. Am well pleased and will want more of your seed next spring.

N. E. Garner, Magee, Miss. R. 1. Here is a few of the turn-outs I got from your seed. 1250 lbs. made 500 lb. bale; 1280 lbs. a 520 lb. bale; 1200 lbs. a 415 lb. bale; 1040 lbs. a 395 lb. bale; 1310 lbs. a 480 lb. bale; 1330 lbs. a 520 lb. bale. I made 28 bales on 43 acres. All pretty good land. The weevils had a lot to do with the turn-out as I figure they got me for about 8 or 10 bales and you may know that would hurt a man's turn-out at the gin.

Ollie Spearman, Glendora, Miss. Box 61. Nov. 1, 1929. I planted those seed on gumbo land with no fertilizer at all and made 4 bales on 4 acres, weight 460-454-600-550, and I got 17c a pound for it. It is the cotton for a poor man. I believe if I had put fertilizer under it I would have made six bales. I am carried away with it and expect to plant about 20 acres next year.

J. L. Mayfield, Amory, Miss. Nov. 1, 1929. This cotton was planted on thin sandy land with 400 lbs. fertilizer to the acre. Made ¾ of a bale to acre. Turned out good but do not know the exact percentage.

P. W. Mathews, Philadelphia, Miss. Oct. 27, 1929. I would like for you to know about the Half and Half Cotton Seed I bought from you last spring. One year ago 1928. It was late when I planted my seed. May 20th. I planted on first year new ground and I used about 200 lbs. of acid per acre. No other fertilizer was used. I was somewhat surprised at results from this new ground, knowing just how it was worked. It was not worked as it should have been. I ginned one bale of seed cotton containing 1070 lbs. and I got 526 lbs. of lint cotton. I think I would call that a mighty good turn-out and this year about the same turn-out as last year. I feel like I got just about as pure seed from you people as I could have gotten any place.

W. T. Burnside, Greenville, Miss. Box 297. Oct. 24, 1929. I planted five acres of your Half and Half Cotton Seed this year and have picked 6 bales of cotton from the patch. It runs easily 45% lint turn-out at the Planters Gin here. Staple a full inch. Sold O. B. Critton Cotton Co. for 18c. I did not use any fertilizer and planted on land that was overflooded in 1927. I saved the seed and will plant it as long as I raise cotton. In the same field I planted 5 acres King's Improved direct from Mr. King and got 5 bales. Sold to above firm for 17½c per pound. Your Half and Half is more than you claim for it.

Mrs. J. T. Aycock, Isola, Miss. R. 2. Box 31. Oct. 31, 1929. I am writing you about my cotton seed I bought of you last spring. It is sure a good cotton. I like it so well I think I will plant more next year. I only had 100 lbs. and planted about 4 acres. I got 3 bales of cotton, average about 500 lbs. each. I sold one for 20½c, one for 20½c and the last one just sold a few days ago and I got 17½c. I sold it

right along with Delfos and Hartful cotton. It all sold for the same price. Got a good turn-out. This was not a good year. I like the cotton fine.

S. J. McMinn, Reform, Miss. Oct. 26, 1929. I ordered your Half and Half Cotton Seed last year. It proved good. I planted them on bottom land without any fertilizer on it. Made about a bale to the acre. Then I furnished some tenants on another place which is hill land, clay foundation. They used 200 lbs. 4-6-4 fertilizer per acre. Made about 400 lbs. lint per acre. It makes 500 lb. bale to 1100 pounds of seed cotton. Have not sold but one bale, got .1785 per pound. I bought the tenants' cotton and paid them .1725 per pound. It is the best cotton for this county, that is, for my land. Others say I have a white man on one of my places which is bottom land. He made about a bale per acre with the same kind of fertilizer that I use. It is good cotton for this section.

John Raymond, Itta Bena, Miss. Nov. 1, 1929. I am very glad to say that I am very well pleased with the cotton I bought from you. I can say that your Half and Half Cotton Seed hold out fine. I weighed in 1300 lbs. and I received 570 lbs. gin weight. I bought 100 lbs. of seed and I have ginned 4 bales of cotton, 590 lbs., 580 lbs., 560 lbs., and 454 lbs. I got 20c per pound for two bales and 18c per pound for two bales. The land I raised this cotton on was gumbo soft land. I did not use any fertilizer. I had about 4 acres in cotton. I do believe I can raise a bale and a half to the acre if I use fertilizer. 1100 lbs. of this cotton will give you 500 lbs. of lint.

General Jackson, Edwards, Miss. Oct. 30, 1929. I got 500 lbs. of cotton seed from you. 300 lbs. was for others and 200 lbs. was for myself. I took my 200 lbs. and put it on 6 acres of land very good, no fertilizer at all. I planted the seed the first day of May. I got 3 bales of cotton. 1300 lbs. seed cotton made bale 495 lbs.—1200 lbs. 480 lb. bale, and 1150 lbs. made 465 lb. bale. I got 18c for the cotton sold. I put my whole crop in Half and Half, 20 acres. No fertilizer at all. I got 10 bales of cotton. 6 of them went over 500 lbs. Out of two bales of seed I saved from last year I sold \$22.50 to my friends and planted my crop and have enough seed left to plant next year. My friends say we will never be without Half and Half. May God bless you to keep Half and Half on hand as long as you live.

**LOUISIANA**

Newton Cotten, Pioneer, La. Nov. 21, 1924. I planted six acres in Half and Half Cotton Seed. It made extra good, I think, for the chance it had. We planted in April, got rain on it until the first of June was the last rain, only one little shower 15th of August. I planted on old land, but used nitrate of soda, 1000 lbs. to acre, and stable fertilizer and made 2700 lbs. of seed cotton, averaging 530 and 505 lbs. of lint cotton to the bale. On the market it brought 24c a lb., where the other short staple brought 23½c and 23½c.

**ARKANSAS**

W. S. Wilkes, McGehee, Ark. Nov. 4, 1929. Planted the Improved Half and Half on the poorest land I had, where I did not get 1200 pounds of seed cotton, but the Improved Half and Half and I pick 2405 lbs. with 100 lbs. 12-4-4 to the acre on 2½ acres. It is the best cotton that I have ever planted and I like it fine, so you can get an order from me next spring.

James McConnell, Lake Village, Ark. R. 1, Box 85. Nov. 1, 1929. I bought from you last spring one bushel of Half and Half Cotton Seed. I planted just about 1½ acres by planting it very thin. I picked 1566 pounds of seed cotton. My bale weighed 622 lbs. and I have picked 700 lbs. more that I haven't ginned yet. I got 19½c for it. I gin it early in the season and it was the first cotton I had a bloom in. I saved them seed and will plant the largest part of my crop with them next year. All of my neighbors want some of my seed, but I can't spare none.

W. M. Baker, Crawfordville, Ark. Box 253. October 29, 1929. I like this cotton fine, but I planted my seed too early and lost all but about half an acre. On a half acre I made one bale. Picked 1200 lbs. Bale weighed 460 lbs. Of course it was planted on black land—did not use any fertilizer and I think I will have about 400 pounds more. I like it fine. I got 17½c per pound. I like it so well I think I will plant my entire crop of this Half and Half Cotton another year.

Rufus Johnson, Cotton Plant, Ark. Box 373. Nov. 1, 1929. I write to let you know about my cotton. They was all right. I like them better than any I ever used. I did not use any fertilizer. I just put them on ordinary land. It made about one-half bale to the acre, 1425 lbs. I got a 525 pound bale. That drouth cut the crops short. The highest I got was 18½c per pound.

Raymond Conner, Monette, Ark. Oct. 28, 1929. I planted the seed that I ordered from you on about three acres of sandy loam soil. Have picked nearly three bales from the ground and have nearly another one to pick. I did not use any fertilizer. It cut out around 40% at the gin. Will plant most of my crop in your Half and Half next season.

W. F. Schallhorn, DeWitt, Ark. Nov. 1, 1929. The Half and Half Cotton Seed purchased from you last spring were planted on different soils and time of planting. My early planting made almost bale to acre. My second planting about 2½ acres to bale, and last planting May 25th about 3 acres to the bale. But we had no rain after July 15th and no moisture to develop the boll. Let a friend of mine have some seed. For 4 acres he made 5 bales on same, but he had two rains we did not have. All this was planted on wornout rice lands. Expect to plant same back next year.

E. B. Sloan, Walnut Ridge, Ark. Nov. 1, 1929. Your Half and Half Cotton made a fine yield. From 1400 to 1600 lbs. per acre on average sandy land. Has good size boll and picks easily. I used 200 lbs. 12-4-4 fertilizer per acre.

J. H. Sparks, Humphrey, Ark. R. 1. Oct. 25, 1929. I like my Half and Half Cotton just fine. I planted it on new ground. I got nearly 4 bales on 2½ acres and got top price for it. It is the best cotton I have ever grown. Half and Half Cotton is the cotton for a poor man. I shall grow it from now on.

Dr. O. M. Banks, Dermott, Ark. Nov. 1, 1929. Planted one acre of Half and Half Cotton as a test. I used less than a bushel of seed. I ginned 1375 pounds seed cotton that brought a 535 lb. bale and 841 lbs. seed. It has only been picked over once and there is now on that acre nearly half bale of seed cotton. I am more than pleased with the seed and will always recommend your seed.

# BUCHANAN'S RECLEANED AND TESTED CLOVERS AND PASTURE SEEDS



## American Grown Alfalfa Seed

WRITE FOR OUR TWENTY-PAGE BOOKLET—HOW TO GROW ALFALFA

Alfalfa or Lucerne Clover is the most talked of and most widely planted of all the varieties of clover in the world. It is said that the feeding value of a ton of Alfalfa is equal to a ton of shelled corn.

Alfalfa in the South will produce 5 to 7 tons of hay to the acre each year and in true value is worth 45 per cent more than other clovers and 60 per cent more than Timothy hay. It will grow 4 or 5 crops a year and it does not exhaust the soil; it enriches the soil. Its long branching roots penetrate far down, 15 to 20 feet, and so loosen the subsoil that it is a gigantic subsoiler, resists drought, and gets plant food where other crops would be a failure. When the plants are destroyed in order to raise other crops on Alfalfa land, the large roots decay and produce a vast source of fertility to be used by following crops.

Fall sowing is decidedly preferable, although fine results can be obtained from early spring sowing. Give it care and attention, especially the first year, and your trial will show you that you can not afford to be without it. Get it thoroughly established by first preparing your land, applying plenty of lime, and before seeding you should inoculate the seed. If your land has never had Alfalfa growing on it before, be sure to inoculate the seed with nitrogen-gathering bacteria for Alfalfa, which are necessary. See Nitragin, Page 76. When once established, Alfalfa is the most valuable permanent clover that can be grown. It is adapted to almost the entire South and has the highest feeding value of any hay. Do not sow on wet ground, high and rather dry being preferable, and only cut when coming into bloom.

Do not buy cheap Alfalfa seed. If it's cheap, it is not pure Alfalfa, but mixed with weed seeds. Weeds are very troublesome to Alfalfa, crowding it out and ruining the quality of your hay, so be sure to get the highest grade seed and no other kind. This is absolutely essential to success. Sow in thoroughly prepared soil, either broadcast or in drills.

### SOWING ALFALFA SEED

**AMOUNT TO AN ACRE**—Our general rule is 20 to 25 pounds per acre, but I have customers who sow from 30 to 35 pounds to an acre, they saying that they want the Alfalfa to crowd out the Crab Grass Seed, and not the Crab Grass Seed to crowd out the Alfalfa.



Photo Showing Alfalfa in Bloom

### About Prices

The prices of Clovers and Grasses are changing constantly, and were we to quote definite prices on large quantities in this catalogue they would probably be incorrect before we received your order. Send us a post card and immediately upon receipt of it we will send you our regular quotation card quoting the lowest prevailing prices, which we will guarantee for a stated period.

#### (1050) BUCK BRAND ALFALFA

**BUCK BRAND ALFALFA**—Grown for us in the State of Kansas, and, during our 20 years in the seed business, we have shipped this seed to every Southern State. Our annual sales now amount to 30 to 40 thousand pounds each year, and, after 20 years' experience, we call it the best upland American grown alfalfa seed. Price—1 lb., 40c; 5 lbs., \$1.90; 10 lbs., \$3.60; 15 lbs., \$5.10, 25 lbs., \$7.75, post paid. Write for prices in quantities when ready to buy.

#### (1051) DAKOTA 12 ALFALFA

**DAKOTA No. 12 ALFALFA**—This variety is the result of years of careful breeding and represents the highest type of Alfalfas. Dakota produces exceptionally hardy Alfalfa, practically immune to winter killing. Stands drought and heat as well. Highly recommended by Mississippi Experiment Station at Stoneville. Our seed is the genuine Dakota No. 12 stock. Price—1 lb., 55c; 5 lbs., \$2.50; 10 lbs., \$4.50; 15 lbs., \$6.30, 25 lbs., \$10.00, post paid.

#### (1052) HAIRY PERUVIAN ALFALFA

**HAIRY PERUVIAN**—Grows rapidly, has long slant stems. Quick to recover after cutting and is said to grow better during the winter months than common alfalfa; furnishes more pasture. This alfalfa is very popular in the hot, dry country of the Southwest, but has not been planted very much in this section. Those who have planted it in this territory are well pleased, and its deep rooting tendency enables the plant to keep in healthy condition during the dry season. It will not stand as much cold weather as Buck Brand or Dakota 12 Alfalfa. Price—1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.80; 15 lbs., \$5.25, 25 lbs., \$8.25, post paid.

#### (1067) HARDY UTAH ALFALFA

**HARDY UTAH**—Often known as mile high alfalfa, because these seed are produced in the mountain valleys of Utah, more than 5,000 feet above the sea level. In the mountains of Utah where this seed is grown the severe night temperatures often drop 35 degrees below the day temperatures. This seed, we believe, will stand more cold without winter killing than any alfalfa grown. Price—1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$4.20; 15 lbs., \$5.70; 25 lbs., \$9.00, post paid.

**QUANTITY PRICES**—On all seeds see yellow price list in center of book.





## Buchanan's Recleaned Clover Seeds

The farmer who includes Clovers in his rotation of crops is the man who is today growing larger crops of all grains, year in and year out, than he who follows any other rotations. It will pay as a hay crop or pasture, to say nothing of the improvement in the soil after growing Clover a year or so; then fields which have once grown a crop of Clover are very readily seeded again. No Clover does well on sour soil. Use lime freely where necessary, but grow Clover in some form, and remember that we now have, in addition to the regular types (the common forms), Alfalfa, the most vigorous and lasting of all Clovers; Melilotus Alba, or Sweet Clover, a big thrifty plant, which will grow on land too poor for any of the other types, and in one or two seasons put the land in condition to grow any of them; and Japan Clover, an annual plant sown in the spring, and thriving on waste land and that which is too poor for other crops.

**1066—HOP CLOVER**—An annual found in Canada and most of the United States. Grows about six to eight inches high and has a yellow blossom. Very similar to Japan Clover. Its differences are yellow blossoms instead of the purple of Japan. More upright growth. Its growing season is from very early Spring until mid-summer while Japan makes most of its growth from mid-summer to late Fall. Feeding value is just as good as Japan. Hop Clover is especially valuable when sown very early with Japan Clover on Bermuda sod or with any grasses, clovers or mixtures which do not make a heavy early Spring growth. It is the earliest and fastest growing clover adapted to Southern soils and climate. Price—1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.25; 15 lbs., \$6.00.

**1053—RED CLOVER (Buck Brand)**—Southern farmers are fast realizing the great value of this crop for pasture, for hay, as a soiling crop and for fertilizing, but many have yet to learn the importance of quality in Clover Seeds. We sell an increased quantity each year, and our customers report most satisfactory results. This variety is largely planted in Louisiana, Mississippi, Tennessee and other Southern States, being admirably adapted to the hill parts of the South, especially the valley lands of North Georgia, Alabama, Mississippi and States farther north. It makes two or more cuttings of hay each season, and is fine for pasturage in a combination with other clovers and grasses. Sow seed during the fall and spring, at the rate of 12 to 15 pounds to the acre. A bushel weighs 60 pounds. Price—1 lb., 50c; 5 lbs., \$2.40; 10 lbs., \$4.50; 15 lbs., \$6.45; 25 lbs., \$10.25.

**1055—ALSYKE or SWEDISH CLOVER**—This is one of the hardiest varieties known. It is perennial and does not winter-kill. It will do better on moist land than any other variety of Clover, and is suitable for either hay or pasture. When sown with other grasses, it forms a thick undergrowth and greatly increases the yield. It is frequently sown both with Medium Red Clover and with Timothy, and the quality of hay thus produced is excellent. It is fine-stemmed and leafy and thus is quickly cured. Sown alone for forage, 12 lbs. per acre; in mixture, Alsike 4 lbs., Red Top 6 lbs., Timothy 5 lbs. Price—1 lb., 40c; 5 lbs., \$1.90; 10 lbs., \$3.60; 15 lbs., \$5.10; 25 lbs., \$8.00.

**1057—SWEET CLOVER (Melilotus Alba)**—A variety of clover which, while young, resembles alfalfa, but on mature development grows from 4 to 6 feet in height. It is extremely vigorous and especially adapted to waste lands, though by many prominent farmers and stock raisers is used on good land for a crop forage. It is very vigorous in growth, standing frost and drouth remarkably well, the tap root penetrating the soil very deeply, and occasionally used as a drainage plant for wet soils. It will grow on almost any barren hillside, in bottoms, and is equally adapted to all good farming lands. Sweet Clover is one of the most valuable crops for bees, being the main honey plant in many sections. Can be sown either in spring or fall, preparing and sowing as you would for Red Clover. Owing to the difficulty of getting clean seed free from Johnson Grass and weed seed, we have discontinued handling this seed in the chaff, and handle only the clean seed or hulled seed. Sow 12 to 15 lbs. to the acre. Price—1 lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25; 15 lbs., \$3.25; 25 lbs., \$5.00.

**1061—LESPEDeza (JAPAN) CLOVER**—Lespedeza is the one seed that the Creator of All Things sent to us of the Southland to restore our Worn Cotton Lands.

Lespedeza is the salvation of Southern worn hill lands, and it produces a good hay crop on rich bottom lands. Lespedeza has never failed to grow on any soil in the Middle or Southern States, and, while it will grow year after year on hard, compact, uncultivated soil, it will respond in a marked degree to cultivation.

Lespedeza being one of the leading crops of the South, we have made an exhaustive study of its growing and seed conditions, and we are fitted to take care of your wants if you want the best, cleanest seed obtainable, free of Johnson Grass and Wild Onions. Sow in February, March, or April. Seeds weight 25 lbs. per bushel. Sow 20 to 25 lbs. per acre. Grows anywhere; is tenacious in any soil; lasts always. Price—1 lb., 30c; 5 lbs., \$1.35; 10 lbs., \$2.60, post paid.

All Prices on This Page Post Paid.



Red Clover

### THREE NEW VARIETIES OF LESPEDEZA

Tennessee 76, Korean and Kobe—At this time we do not know if we will have the seed to offer. Write us if interested.

**1054—RED CLOVER (Mammoth or Sapling)**—It greatly resembles the Medium Red, but grows coarser and more vigorous. It is the best Clover for pasturage, as it will produce an enormous yield and is of the highest feeding quality, but not as desirable for hay. Specially desirable for hog pasture. Price—1 lb., 55c; 5 lbs., \$2.50; 10 lbs., \$4.50; 15 lbs., \$6.50; 25 lbs., \$10.00.



Sweet Clover (Melilotus Alba)

FOR WHOLESALE PRICES—NOT PREPAID—  
See yellow sheet in center of catalogue.



## SPOTTED LEAF BUR CLOVER (Medicago Arabica)

The demand for Bur Clover is growing very rapidly in the South for winter pasture. If you sow Bur Clover on Bermuda Grass sod, this will give you green pasture all the year around. Disk over your Bermuda Grass and then sow Bur Clover in the fall. It can also be sown by itself.

**HOW TO SOW**—The inoculated seed should be sown broadcast in the early fall, using from 15 to 20 pounds per acre of hulled seed. If sown in burs, 50 to 60 pounds per acre should be sown. If seed are sown after the middle of August, boil the seed one minute, which tends to loosen the husk and causes more rapid germination. Be sure to inoculate after boiling. Sow in July, August, September or, in lower South, October. The clover will then come up when conditions are favorable. You will find this a splendid crop to grow, both for feed and to build up your soil. Bur Clover and Bermuda Grass make a splendid combination for permanent pasture which is excellent for all livestock. When sown for pasture we recommend thorough preparation of land before sowing, insuring stand first year. Bur Clover is an excellent soil improver. It will furnish excellent winter pasture, and the yield of each succeeding crop will be decidedly increased without the aid of commercial fertilizer. In South Carolina, soil that had only been making 10 bushels of corn per acre yielded 70 bushels per acre after Bur Clover had been planted on same soil for three years and turned as a green manure during February, March or April.

Bur Clover will grow on almost all types of soil and can be depended on to add humus and nitrogen to the soil annually without sacrificing the regular summer crop, and is one of the cheapest legumes that serve as a winter cover crop. If it is allowed to mature a crop of seed before plowing under it will reseed itself for a number of years.

**1062A—SPOTTED LEAF BUR CLOVER**—Fancy hulled seed. Price—1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.50; 15 lbs., \$3.75; 25 lbs., \$6.00, post paid.

**1062—SPOTTED LEAF BUR CLOVER IN BUR.** Price—1 lb., 25c; 5 lbs., \$1.15; 10 lbs., \$2.00; 15 lbs., \$2.75; 25 lbs., \$4.25, post paid. Write for prices on quantities.

**1056—WHITE or DUTCH CLOVER**—Largely used for sowing on lawns, mixed with Kentucky Blue Grass and other grass seeds, and is very valuable because it supplies nitrogen to the soil and increases the fertility and makes the plant root more available for the use of the grasses. It is of value to the summer pastures and should be used in all grass seed mixtures sown for either lawn or pasture. Price—1 lb., 60c; 5 lbs., \$2.55; 10 lbs., \$4.85; 15 lbs., \$6.75, post paid. Write for prices on quantities.

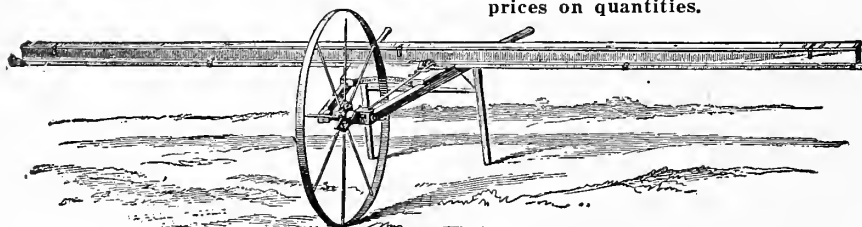
**1060—CRIMSON CLOVER**—Succeeds on most any good soil. Sown at the rate of 15 pounds per acre any time after August 15 and up to November 1, or can be sown between cotton or corn during August, using 6 to 10 pounds to the acre. Crimson Clover furnishes good hay and adds fertility to the soil. For best results inoculate seed. Price—1 lb., 40c; 5 lbs., \$1.90; 10 lbs., \$3.50; 15 lbs., \$4.90; 25 lbs., \$7.50, post paid. Write for prices on quantities.

**1059—BLACK MEDIC**—Has similar soil and planting requirements to the yellow melilotus. Price—1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.75; 15 lbs., \$5.25, post paid. Write for prices on quantities.

**1064—MELILOTUS INDICA (Annual Yellow Blossom Sour Clover)**—Sometimes called Sour Clover, and is becoming very rapidly recognized as a wonderful legume, especially adapted to plowing under for green manure. When planted in the fall it grows all during the winter and is just the thing to build up run-down soil and improve the yield of crops that would be planted on the land the following spring. It is used very extensively to sow to plow under as a green manure crop in the orchards of California, and is now being planted for the same purpose in practically every Southern State. It also prevents erosion during the rainy season. Not good for forage or hay, but is the cheapest and one of the best cover crops. Starts early to grow, and is of good size when ready to plow under. Sow 15 to 20 pounds per acre. Price—1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.50; 15 lbs., \$3.75; 25 lbs., \$6.00, post paid. Write for prices on quantities.



Bur Clover

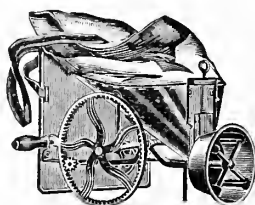


## THOMPSON'S WHEELBARROW SEED SOWERS

No. 5 SEEDER—Sows Timothy, Millet, Alfalfa, Rape, Crimson Clover, Red Top, Orchard Grass, and Blue Grass any desired quantity per acre. Hopper 14 ft. Rope Feeder. F. O. B. Memphis.....\$12.50

No. 12 ROYAL SEEDER—Sows all small solid seeds like Clovers, Alfalfa, Millet, Rape and chaffy seeds like Red Top, Orchard Grass, Timothy, and Blue Grass any desired quantity per acre. Hopper 14 ft. Chain feeder, and steel wheel. F. O. B. Memphis .....\$14.50

### Cahoon Broadcast Seeder

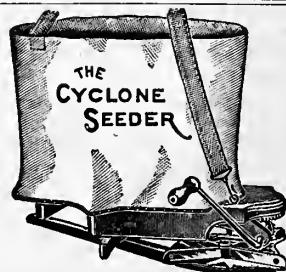


The standard broadcast seeder and one of the best. Sows all kinds of grain, Clover, Timothy, etc. In operation sows 4 to 5 acres an hour at a common walk. Distributes seed uniformly in one-fifth the time required by hand. Circular on request. Price each \$4.50. Postpaid \$4.75

### Cyclone Broadcast Seeder

Thousands of these are in use with perfect success. Adapted to all kinds of grain and heavy grass and clover seeds.

Price \$2.00. Postpaid \$2.25.





## Buchanan's Dependable Lawn Grass Mixtures

We have given the subject of lawns much thought during the past few years, and after careful study and experiments with all grass seeds, know that we have a mixture listed below which will answer your purpose, regardless of the size space you have to cover.

Our Buck Brand Lawn Grass Mixtures are used all over the South by all classes, from the owners of small homes to the owners of large estates; also by Golf Clubs, City Parks and Cemeteries. Do not have your lawn sodded before talking or writing us about same, as sodding is not only expensive, but so often you get many wild grass seed with the sod, which is expensive to eradicate.

**QUANTITY TO SOW FOR LAWNS**—You cannot sow too much; the more, the better; it means quicker, more satisfactory and lasting results. We recommend, on new ground, for average mixtures, to sow as follows: One pound on 100 square feet (10x10); six pounds on 600 square feet (20x30); 15 pounds on 1,500 square feet (30x50). A good rule is to figure one pound for each one hundred square feet. For renewing old lawns call to see us or write, giving full information regarding the present condition of your lawn.

### Hints on Formation of Lawns

Spade or plow ground to the depth of 8 inches. Afterwards harrow or rake carefully, pulverize all lumps, and remove all large stones. If the soil is shallow, procure a supply of fine mold and spread over the surface to a depth of 2 inches. Soil may be enriched by bone meal or commercial fertilizers, then rake level and roll the soil well to make a solid bottom. Scatter the seed evenly over the surface. Rake seed in and roll, water regularly and carefully, as the soil is liable to dry out in the heat of the day, and if it does while the seed are germinating it will invariably perish. When the grass is three inches high it should be cut and rolled, and every week or so thereafter until the grass has become firm. Eradicate weeds whenever they appear, without disturbing the grass. Should bare spots appear, rake the surface and sow more seed.

**FERTILIZING**—Nothing will give a lawn the rich, deep green velvety appearance so much admired like a liberal dressing of a good fertilizer. (See pages 92 and 93.) Our fertilizers are specially prepared with that end in view and we can strongly recommend them.

#### BUCHANAN'S PERMANENT LAWN GRASS

**1117—BUCK BRAND PERMANENT LAWN GRASS SEED**—By far the best mixture of grasses offered for the purpose of quickly producing a permanent lawn. It is prepared from our own formula, and is a careful blending of varieties adapted to producing the thick growth and velvety appearance so much sought after. Each variety of grass in its composition is there for a special purpose; some for making strong, fibrous roots, which take hold upon the soil and keep the turf in place; others of a creeping nature quickly fill up any bare spots which may be caused by the taller sorts dying down; varieties which are useful for their color value, and also kinds that are able to withstand the beating rains. Price, 1 lb., 50c; 5 lbs., \$2.50; 10 lbs., \$4.75, post paid. Write for prices on quantities.

#### BUCHANAN'S SHADY LAWN GRASS

**1118—BUCK BRAND SHADY LAWN GRASS SEED**—Usually it is not difficult to obtain good turf under trees if the correct seed varieties are used. In very stubborn cases, where the shade is excessive, it may be necessary to remake the lawn every season for two or three years, in which case, procedure may well be as follows: Add lime every autumn at the rate of 1 pound to each 20 square feet; fork the land lightly in the spring, and apply Pulverized Sheep Manure at the rate of 1 pound per 20 square feet; rake smooth and sow Buck Brand Shady Lawn Grass; rake again to cover the seed and either roll with a light roller or flatten with the back of a spade; sow some further seeds to renovate the lawn at the end of summer. Use as a minimum allowance 1 pound of seed for each 10 feet by 10 feet; sow at half these rates when renovating a lawn, and use double this quantity for quick results. Price, 1 lb., 50c; 5 lbs., \$2.50; 10 lbs., \$4.75, post paid. Write for prices on quantities.

#### BUCHANAN'S TERRACE LAWN GRASS

**1118-A—TERRACE GRASS**—Ordinary lawn grass will not hold the soil on terraces and embankments, which require a thick turf, composed of varieties which make strong roots to take hold of the soil and prevent washing by heavy rains. Our Terrace Grass is a carefully prepared combination of such grasses as will fill the requirements by making a quick growth of grass which will form a strong mat and present a good appearance. It will grow well anywhere, but it is best to enrich the soil with our sterilized Sheep Manure, or with Bone Meal, in order to provide nourishment to the young roots and give a vigorous start to their growth. Sow as recommended above, paragraph one. Price, 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.25, post paid. Write for prices on larger quantities.

#### WHITE DUTCH CLOVER SEED

**1056—WHITE DUTCH CLOVER**—Excellent for use on lawns; forms a close very dwarf herbage and remains green throughout the season. For prices see page 76.

#### WINTER RYE GRASS

**1107—WINTER RYE GRASS**—Very valuable for annual pasture; also for lawn purposes. It makes a very heavy leaf growth for pasture. Withstands drouth to a remarkable degree. Used extensively throughout our section for lawns. Use it in Bermuda sod to keep the lawn green during the fall, winter and early spring, when the Bermuda is dormant. Sow from September until March for lawns at the rate of one pound to each 10 feet by 10 feet; for pasture, 40 pounds to the acre. Price, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.80; 15 lbs., \$2.25; 25 lbs., \$4.00, post paid. Write for prices on quantities.

All Seeds listed on this page are delivered transportation paid in the U. S. or possessions. Order early.  
 FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.



## Buck Brand Grass Seed Mixtures for Hay and Pasture

For farmers who are intending to put land down permanently to grass, our special Grass and Clover Mixtures are decidedly better than sowing two or three varieties together.

The prices on all feedstuff have been so high during the last few years that all farmers and stockmen see the necessity of making every acre of land pay, and there are thousands upon thousands of acres of land all over the South that are not working, that would pay big if sown down to Permanent Pasture. Every farmer knows the value of pasture for all stock and we have a mixture listed below suitable for any Southern soil, read them over carefully and have a good pasture so the stock will gather their own feed. Our pasture mixtures can be sown any time you have your land well prepared during the months of September, October, November, December, February, March and April, location considered.

After years of experimenting we have aided largely in establishing the fact that a thick and more prolonged growth is produced by a mixture of several varieties than when only one or two are used. There are always certain grasses that are especially adapted to certain kinds of soils, and these are so carefully combined in our mixtures that in our Mixture for Permanent Pastures grasses will be found that mature at intervals during the season, thereby insuring continuous pasturage, while our Mixture for Hay Land will furnish excellent hay as well as late pasturage.

We are prepared to furnish seeds adapted to all soils and all situations, and for all purposes, composed of grasses for light, medium or heavy soils; by light soil we mean that which is more or less of a sandy or gravelly nature; the heavy, clay and heavy loams; while the medium is an intermediate between these two. A light, wet soil, with respect to the grasses suited to it, may be considered same as to the heavy soils, and a dry, heavy soil, more as to light soils.

These mixtures are especially blended with a view to secure the largest possible yields. All the grasses are permanent when once established. They will last indefinitely if occasionally top dressed.

Prices on Clovers and Grasses are constantly changing—Write when ready to buy in large quantities.

### No. 1—SHADY PASTURE GRASS SEED MIXTURE

1112—BUCK BRAND SHADY PASTURE No. 1—Composed of the grasses and clovers which grow best in the shade; as we know every farmer wants some shady spots in his pasture if it is possible to have same; also wants his shady ground to produce, therefore we furnish this mixture composed of the following grasses and clovers: Kentucky Blue Grass, Japan Clover, Hop Clover, English Rye Grass, White Clover, Red Top, Orchard Grass, mixed, of fresh, clean, high germinating seeds. Sow 15 lbs. to the acre. Price, 1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.55; 15 lbs., \$3.60; 25 lbs., \$6.10, post paid. Write for prices on larger quantities.

### No. 2—MAIN PASTURE GRASS SEED MIXTURE

1113—BUCK BRAND UPLAND MIXTURE No. 2—This mixture is our main pasture mixture or mixture for general planting and is composed of clovers and grasses which do well on our Southern uplands, mixed of the highest grade seeds that money can buy: Perennial Rye Grass, Orchard Grass, Bur Clover, Sweet Clover, Japan Clover and Hop Clover. Sow 20 to 25 lbs. to the acre. Price, 1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.55; 15 lbs., \$3.60; 25 lbs., \$6.10, post paid. Write for prices on quantities.

### No. 3—LOWLAND PASTURE GRASS SEED MIXTURE

1114—BUCK BRAND LOWLAND PASTURE No. 3—Most every farm has some low land unfit for cultivation owing to its remaining wet until too late to plant in the spring, and this very land would be made to pay well if sown with our Lowland Pasture Mixture. The formula for this mixture has been tried on many thousands of our Southern farms with excellent results. Mixed of following seeds: Alsike Clover, White Clover, Red Top, Timothy, Orchard Grass, English Rye Grass, Bur Clover and Sweet Clover. Sow 15 to 20 lbs. to the acre. Price, 1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.55; 15 lbs., \$3.60; 25 lbs., \$6.10, post paid. Write for prices on quantities.

### No. 4—MEADOW MIXTURE FOR PASTURE OR HAY

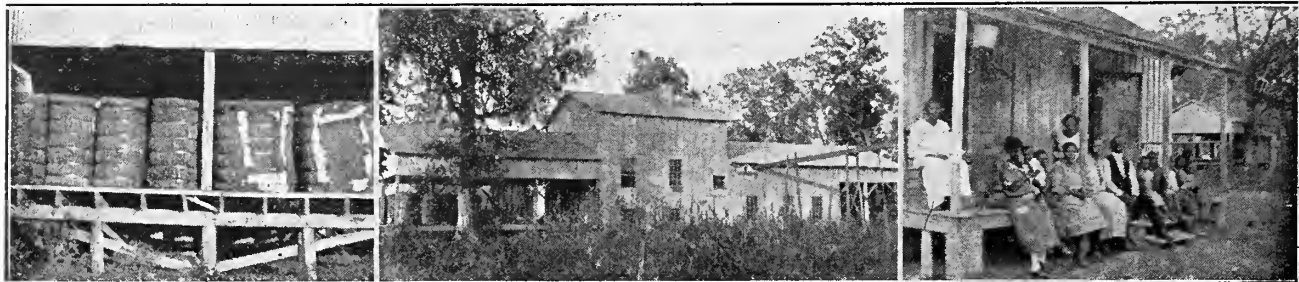
1115—BUCK BRAND PERMANENT MEADOW No. 4—This special mixture for mowing hay is composed of grasses and clovers which ripen together for the first cutting, but it also contains smaller proportions of other grasses, which will increase considerably the second cutting and also add very much to the pasturage yield in case it is desired to use the field for pasturage afterwards.

Farmers are realizing more each year the value of those idle acres if put to work and also the value of a hay crop, especially when the crop is improving the land. Many acres, considered worthless and grown up in weeds, have been brought back to a high state of fertility by running a few years in a meadow.

This mixture contains: Red Clover, Alsike Clover, Red Top, Perennial Rye Grass, Orchard Grass, Timothy and Japan Clover. Sow 15 lbs. per acre. 1 lb., 35c; 5 lbs., \$1.45; 10 lbs., \$2.65; 15 lbs., \$3.70; 25 lbs., \$6.75, post paid. Write for prices on quantities.

### No. 5—HOG PASTURE GRASS SEED MIXTURE

1116—BUCK BRAND PERMANENT HOG PASTURE No. 5.—Is offered with the confidence that it will give stock raisers entire satisfaction. It has already been thoroughly tested and proved of great value for all kinds of stock. It contains four varieties of clover, besides many kinds of grasses. It is a substantial mixture which will prove a profitable investment to any farmer and, we are safe in saying, cannot be equalled anywhere. Not only is it suitable for hogs, but sheep, cows and horses relish this rich pasturage. You cannot afford to be without it. Composed of the following grasses: Red Clover, Japan Clover, Alsike Clover, Sweet Clover, Orchard Grass, Rye Grass, Hop Clover and Bur Clover. Sow from 20 to 25 lbs. of seed an acre. Price, 1 lb., 35c; 5 lbs., \$1.45; 10 lbs., \$2.65; 15 lbs., \$3.70; 25 lbs., \$6.35, post paid. Write for prices on larger quantities.



FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.





# Buchanan's Grass Seeds for Pasture and Hay

All Prices on This Page Are Post Paid. FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.

**1100—BERMUDA GRASS**—A great boon in the South for pasture; when once established no amount of drouth or hot weather will kill it out. It succeeds on nearly all soils, furnishing a constant growth of grass during the summer, but becoming brown and bare in the fall and winter. It cannot be recommended too highly for pasture and general culture in the South, and it is also excellent for summer lawns. Its strong, creeping roots will absolutely prevent wash. Sow April to July (8 lbs. to acre). Price, 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.25; 15 lbs., \$6.00; 25 lbs., \$9.50. Write for prices on quantities.

**1101—RED TOP or HERD'S GRASS**—A hay and pasture grass. Succeeds on most kinds of soils, but does best on heavy or low, moist, stiff soils. By repeated mowing, this grass holds well during the summer, but its chief value is for winter pastures. Will stand wet weather admirably, growing well after being covered with an overflow of water for two or three weeks at a time. It is used largely for hay. For lawn and pasture mixtures it is invaluable. Sow 15 to 20 pounds of our fancy re-cleaned solid seed to the acre. Price—1 lb., 40c; 5 lbs., \$1.85; 10 lbs., \$3.50; 15 lbs., \$4.50; 25 lbs., \$7.50. Write for prices on quantities.

**1103—KENTUCKY BLUE GRASS**—A lawn and pasture grass, succeeding best on limestone land, but does well on stiff clay and medium soils. Forms a compact sod and stands tramping exceptionally well. In most sections of the central South it is largely sown for lawn purposes also, as it remains almost dormant during the hot weather, and improves after the first year on suitable soil until you have a beautiful stand. Its principal value in pasture seeding is for mixing with Lespedeza, Bermuda, Carpet Grass, and other summer growing grasses, clovers, etc. Sow about 40 lbs. to the acre, preferably during the early fall or spring. Price—1 lb., 40c; 5 lbs., \$1.85; 10 lbs., \$3.50; 15 lbs., \$5.10; 25 lbs., \$8.00. Write for prices on quantities.

**1104—ORCHARD GRASS**—A hay and pasture grass. A coarse growing, bunch grass, furnishing good grazing in early spring and late fall. Its growth is checked during the hot weather; it will endure considerable rough treatment without injury and should be kept closely grazed for best results. Does best on moist or heavier clay soils; will stand much shade and is excellent for woodland pastures and for sowing in gullies, to prevent erosion. Yields from 1 to 3 tons of hay per acre. Throughout Florida and in parts of other Southern States, Orchard Grass is extensively sown during the early fall and spring for lawn purposes. Sow about 40 pounds to the acre of our extra fine, re-cleaned seed. Price—1 lb., 35c; 5 lbs., \$1.60; 10 lbs., \$3.00; 15 lbs., \$4.20; 25 lbs., \$6.50. Write for prices on quantities.

**1105—PASPALUM DILATATUM, or DALLAS GRASS**—Also known as Large Water Grass. It is a smooth, perennial, with deep, strong root system and grows in clumps or bunches 2 to 4 feet high. The leaves are numerous near the ground but few on the stems. The stems are slender and usually drooping with the weight of the flower clusters. In the South, it makes an all-year-round grazing and hay grass where it spreads naturally. Owing to its tendency to lodge, this grass is better suited for pasture than for hay. It is one of the best winter pasture grasses for heavy, moist, black soils. It remains green all winter unless injured by severe frosts and persistent grazing will not injure it. Price—1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00. Write for prices on quantities.

**1106—CARPET GRASS**—Its creeping habit enables it to bear close grazing without injury. It is strictly a pasture grass, seldom growing large enough to be worth cutting for hay. It will stand close grazing and heavy trampling better than any other grass in the Gulf region. Carpet Grass pastures are readily established by seeding at any time from early spring to late summer on well-firmed seed bed, when moisture conditions are favorable. The carrying capacity of good carpet grass pasture is one cow to the acre for the five best months and one cow to two acres for three to five months longer. Lespedeza, white clover, vetch are desirable in mixture with Carpet Grass. Italian rye may be used as a winter mixture. To secure a full stand of the grass promptly, seed should be sown at the rate of 10 pounds per acre. Price—1 lb., 50c; 5 lbs., \$2.35; 10 lbs., \$4.50; 15 lbs., \$6.45; 25 lbs., \$10.25. Write for prices on quantities.

## WINTER RYE GRASS

**1107—WINTER RYE GRASS**—Very valuable for annual pasture; also for lawn purposes. It makes a very heavy leaf growth for pasture. Withstands drouth to a remarkable degree. Used extensively throughout our section for lawns. Use it in Bermuda sod to keep the lawn green during the fall, winter and early spring, when the Bermuda is dormant. Sow from September until March for lawns at the rate of one pound to each 10 feet by 10 feet; for pasture, 40 pounds to the acre. Price, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.80; 15 lbs., \$2.25; 25 lbs., \$4.00, post paid. Write for prices on quantities.

**1108—TIMOTHY**—Timothy requires good land to make good crops—this applies particularly to Timothy, for, unlike other grasses, it does not enrich the soil, but exhausts it, so that top-dressing with stable manure or fertilizer is advised; the fertilizer should contain a liberal amount of ammonia. If sown with sapling clover the clover will help to supply nitrogen. Meadow Fescue or Randall Grass, Red Top or Herd's Grass and Sapling Clover all mature at the same season as Timothy, and are good grasses to sow with it for hay and grazing, increasing the yield of hay and the yield and value of the pasturage. A good mixture is 6 lbs. Timothy, 5 lbs. Red Top or Herd's Grass, 7 lbs. Meadow Fescue, and 5 lbs. Alsike Clover; this mixture will furnish an excellent hay and fine pasturage on good loamy soils or on low ground. If Timothy and Alsike Clover are sown together, mix 8 lbs. Timothy and 6 lbs. Alsike Clover. Price, 1 lb., 20c; 5 lbs., 90c; 10 lbs., \$1.60; 25 lbs., \$3.50, post paid. Write for prices on quantities.



**HAVE A PASTURE LIKE THIS ON YOUR FARM.**  
FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.



## Buchanan's Soy, or Soja Beans

Prices on the articles below are constantly changing.  
When ready to buy in quantities, write for prices.

All prices on this page Post Paid.

## The Soy Bean—A Standard Southern Crop

**CULTURE**—Soy Beans may be planted either broadcast or in drills. Usually a better crop is had when planted in drills and cultivated, and few crops leave the land cleaner and in better condition for the following crop. They grow equally well on light and heavy soils, but on heavy soils they should not be planted more than 1 to 1½ inches deep except in dry seasons. On light sandy soils plant deeper, but not more than three inches deep. When sown broadcast sow 1 to 1½ bushels to the acre, in drills about a peck to the acre. Plant in April, May, June or July.

**1224—BILOXI**—An upright variety, growing 4 to 5 feet high, covered with a dense mass of foliage that does not shed easily. A heavy yielder of beans; the oil and protein contents are high; a fine bean for hogging down, for planting with corn or sorghum and for oil. The pods are less liable to pop than most varieties, in fact, they hardly shatter at all. Late in maturing, requiring a long season to mature, but make an unusually luxuriant growth. Price—Packet, 10c; 1 lb., 20c; 5 lbs., 90c; 1 peck, 15 lbs., \$2.25, post paid. Write for prices on quantities.

**1226—OTOOTAN**—Few Soy Beans can equal Ootootan as a hay maker. Its late maturity is more than overcome by the abundant growth—5 feet and more in long-growing seasons—its fine stems and abundant foliage, and the fine texture of its hay, which cures quickly. It differs from most varieties in having many leafy branches instead of a coarse central stem, making it easy to cut and easy to cure. Planted in 3-foot rows, they will cover the land with a mass of foliage. Price—Packet, 10c; 1 lb., 35c; 5 lbs., \$1.40; 1 peck, 15 lbs., \$3.00, post paid. Write for prices on quantities.

**1227—MAMMOTH YELLOW**—The most extensively grown for both beans and forage, both of which it yields in great abundance. It grows more than 3 feet high, is erect in growth and can be cut with a mower. Particularly valuable for the entire South for both beans and forage. Mammoth Yellow is one of the largest growers among Soy Beans, and the most widely grown variety and excels in yield of bean hay. Broadcast Mammoth Yellows, like Cowpeas, 60 to 90 pounds per acre, or plant about 30 pounds per acre in 3½ to 4 foot drills. Cut for hay when pods are well formed, or let the beans mature if wanted for seed. They make a good main crop. Price—Packet, 10c; 1 lb., 20c; 5 lbs., 90c; 1 peck, 15 lbs., \$1.75, post paid. Write for prices on quantities.

**1230—VIRGINIA**—On account of its abundant growth and large yield of beans, the Virginia makes most excellent hay and ensilage. As it is about 20 days earlier than Mammoth Yellow, it can be sown further north and throughout the Corn Belt. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure. The stems being fine and the leafage profuse, adapts it particularly well for hay making. Price—Packet, 10c; 1 lb., 20c; 5 lbs., 90c; 1 peck, 15 lbs., \$2.00, post paid. Write for prices on quantities.

## Buchanan's Mung Beans

## A Wonderful Crop—A New Bean of Great Value

**1229—A** comparative new bean that has thoroughly demonstrated its value to the South. Mung Beans are great soil builders, they produce a large quantity of hay per acre, the beans are good to eat and make an excellent chicken feed. The plants grow from 3 to 5 feet high, in a straight, upright bushy form, are easy to cut and cure out and the hay is relished by any kind of stock. The yield of seed will run from 500 to 1,000 pounds per acre. Mung Beans are very hardy and will come to a stand under the most adverse conditions. They withstand wilt and insects of all kinds and do not weevil-eat like Cowpeas.

Mung Beans should be planted in May for hay or turning under. They produce a smaller plant and make more seed if planted in June or early July. The seed are small and it takes from 3 to 5 pounds to drill an acre in 3½-foot rows. Broadcast, it takes from 10 to 15 pounds to seed an acre. Beans mature in 90 to 120 days, depending on the season. Pkt., 10c; 1 lb., 40c; 5 lbs., \$1.50; 1 peck (15 lbs.), \$4.25. Write for quantity prices.



Laredo Soy Beans

**1225—LAREDO (The New Soy Bean)**—The Laredo Soy Bean is a new variety that is a distinct addition to the forage crops of the Cotton Belt. Its value, when compared to other Soy Beans, is in the fineness of its stems, its yield of hay, its medium early maturity, and its heavy yield of seed. As a hay yielder, this bean is outstanding. A heavy yield of seed means economy in producing the seed crop for the next year. As compared with Cowpeas, the Laredo Soy Bean will yield from 2 to 3 times as much seed per acre. It is much easier to harvest, and, in seeding, only from one-sixth to one-eighth the amount of seed per acre required for Cowpeas is necessary. The Laredo Soy Bean is a medium early variety with a growing habit somewhat like the Ootootan. The seed of the Laredo are very small and one bushel will plant from 8 to 10 acres in 2½ foot rows. The seed should be dropped 3 to 6 inches apart in the drill for seed and somewhat closer for hay. The seed should be covered very lightly, not more than one inch, and it is best to plant following a season. It is advisable to inoculate Soy Beans that are to be planted on land that has not grown this crop for several years. Price—Packet 10c; 1 lb., 20c; 5 lbs., 90c; 1 peck, 15 lbs., \$2.50, post paid. Write for prices on quantities.

**1221—GEORGE WASHINGTON SOY BEAN**—This Soy Bean is similar as to growth and maturity to the Virginia (see description on this page) the seed are somewhat larger and of darker color and mature a few days earlier than the Virginia. See cultural directions at top of this page. Price—Packet 10c; 1 lb., 20c; 5 lbs., 90c; peck, 15 lbs., \$2.10, post paid. Write for prices on quantities.

## SPECIAL PRICES, SOY BEANS, COW PEAS

(Note sizes carefully—  
Not packed in smaller sizes)

1 bu., 60 lbs. seed.....	\$ .40
2 bu., 120 lbs. seed.....	.70
5 bu., 300 lbs. seed.....	1.50
10 bu., 600 lbs. seed.....	2.50



FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.

# Buchanan's Velvet Beans

In the South, Velvet Beans are used very largely for winter grazing, and for this purpose is one of the best crops for the light soils. They should be allowed to grow until December or until killed by frost, after which they can be grazed through the winter as the vines, leaves and pods decay very slowly and remain palatable a long time. Early in the spring the crop remaining is plowed under as a soil improver and adds very materially to the productiveness of the soil.

Velvet Beans are usually grown with corn. The corn is planted in 5-foot rows, three feet apart in the row, and the beans planted in the corn. At the last working, beans are planted again in the middles between the corn, dropping two seed about every 12 to 15 inches. When the corn is dry it is pulled from the stalk, and cattle turned in to graze. It furnishes most nutritious and fattening food, and is considered the cheapest method of fattening cattle; at the same time the roots and what is left of the vines, when turned under, make a good soil-improver. Velvet Beans are usually planted in rows four to five feet apart at the rate of one-half bushel per acre.

**1228—Extra Early Velvet Beans—**Extra Early Velvet Beans, or 100-Day Speckled Velvet Bean. Although they will not mature the pods in one hundred days, this is one of the earliest varieties and can be grown farther north than the common Velvet Beans. In more northerly sections, where the seeds will not mature, it will make a wonderful growth of vines for pasturing and finishing cattle, and a fine soil-improver. Pkt., 10c; 1 lb., 25c; 5 lbs., 90c; 1 pk. (15 lbs.) \$1.50. Write for quantity prices.

**1231—Bush or Bunch Velvet Beans—**A popular new variety that is much in demand. The Bush Velvet Beans grow like Soy Beans. They can be planted anywhere the Extra Early Velvet Beans can and are much more easily handled. They grow from 2 to 3 feet high and from 2 to 6 feet wide, depending on the soil. They will produce about the same amount of beans as the Extra Early and make fine hay. Pkt., 10c; 1 lb., 25c; 5 lbs., 90c; 1 pk., (15 lbs.) \$2.00. Write for quantity prices.

## Vetch

Is a wonderful nitrogen gatherer and soil improver. It grows surprisingly well on poor land. It reseeds itself. It increases the milk flow. It saves on the fertilizer bill. Stock eat it with relish and fatten on it. It yields a wonderful amount of forage and hay.

**For Feeding and Grazing—**It is eaten with relish by all kinds of stock, and its fattening properties are of a high order—analysis shows that it contains 17 per cent of protein. It furnishes splendid grazing during the early spring, and if not grazed too long, will produce a heavy crop of hay. All who are interested in an increased milk production and the fattening of stock will be well pleased with Vetch.

Sow Augusta or Spring Vetch as early as the weather will allow, 40 to 50 pounds to the acre, with 1 bushel of any spring oats to hold the vines off the ground and make the cutting easier. Sow Hairy or Sand Vetch in corn and cotton at the last working, without any expense for preparation of the land.

**1155—AUGUSTA OR SPRING VETCH—**Has become very popular in the central South within the past few years. Used as green feed and hay. Must be sown in early spring. When sown at this time with oats, it will produce a good crop of hay two weeks earlier than fall-sown Vetch. Very productive and highly nutritious. Handle similar to Canada Field Peas. Spring Vetch is superior to Peas. Makes a greater growth of vine, takes less seed per acre. Sow 40 to 50 pounds per acre with about 1 bushel of oats. Price—Pound, 20c; 5 lbs., 90c; 10 lbs., \$1.60; 25 lbs., \$3.50; post paid. Write for prices on quantities.

**1176—HAIRY OR SAND VETCH—**The hardiest vetch. Fine for hay, grazing and improving land. Grows well on all soils and surprisingly well on poor, thin land, and will stand extremes of drought, heat and cold. The yield of hay is really wonderful, as many as twenty long vines growing from a single root. It may also be sown in the fall to make hay about the end of May, for an excellent pasture or to prevent the leaching of plant food from the land by the winter rains. It never winter kills. Price—Pound, 25c; 5 lbs., \$1.15; 10 lbs., \$2.15; 25 lbs., \$4.65, post paid. Write for prices on quantities.

All Prices on This Page are Post Paid.



Early Velvet Beans



Sand or Hairy Vetch

FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.



Buchanan's Honey Drip Syrup Cane  
ALL PRICES ON THIS PAGE POST PAID



Buchanan's Sagrain

## Buchanan's Cane Seed for Syrup and Forage

### (1194) Buchanan's Honey Drip Syrup Cane

It is two weeks later than Amber or Orange and makes a larger stalk and fully more than 1/3 more fodder than either Amber or Orange Cane. Therefore, it is especially recommended for silos.

It is an all-purpose sorghum cane, for syrup, silage, fodder and seed. Orange, Amber and Red Top Sorghum are not good for syrup making and it is our experience that Texas Seeded Ribbon Cane cannot always be depended on for purity. It is somewhat similar to the Seeded Ribbon Cane but can be depended upon and is a vastly better cane for all its purposes all the way through. It is a valuable crop for feed, seed and syrup. Five pounds is enough to plant 1/3 acre, a plenty to give every planter seed to try it out for himself and to get a good start. Price—Pound, 25c; 5 lbs., \$1.00; 10 lbs., \$1.75.

### Sorghum or Cane Seed for Forage

1195—TEXAS SEEDED RIBBON CANE—This cane gets its name from being a variety that closely resembles the true Ribbon Cane raised from cuttings. We recommend this cane for silage, and we do not recommend it for syrup making. Price—Pound, 20c; 5 lbs., 85c; 10 lbs., \$1.50.

Every year the sowing of Sorghum in the South for forage and hay crops becomes more general. Can be sown either alone or mixed with cowpeas. Planted in drills, use 8 to 10 pounds per acre, or about a bushel (50 pounds) broadcasted for forage; if sown broadcast with peas use about 1/2 bushel (25 pounds) with one bushel of peas. It pays to fertilize sorghum heavily, the increased yield more than paying for the fertilizer. Matures hay in 60 days.

1198—EARLY AMBER SORGHUM—The earliest type in cultivation. Stalks tall and slim. Most suitable for hay, as it matures very quickly. Price—Pound, 15c; 5 lbs., 65c; 10 lbs., \$1.00.

1197—EARLY ORANGE SORGHUM—Largely used for hay and fodder. It is taller and has heavier stalks than the Early Amber. Price—Pound, 15c; 5 lbs., 65c; 10 lbs., \$1.00.

1199—RED TOP SORGHUM—Later, larger growth and better drought resister than Amber and Orange. Growing in favor in the Southeast. Price—Pound, 20c; 5 lbs., 75c; 10 lbs., \$1.25.

### (1111) Buchanan's Sudan Grass Seed

Sudan Grass can be sown in rows 18 to 42 inches apart and cultivated like corn, or it can be drilled in with a grain drill or sown broadcast by hand. Planted in rows 36 to 42 inches apart 2 to 3 pounds per acre of good seed is sufficient, in rows 18 to 24 inches apart 4 to 6 pounds, and drill or broadcast, 16 to 24 pounds per acre.

Sudan Grass is easy to cut with a mower and cures readily, so that the process is much the same as that of the millet or any other hay grass, and yields from 2 to 4 tons of cured hay per acre. It is best to cut just after full bloom, so that it will have as much time as possible for the second growth. After cutting it renews its growth promptly, and in about 40 to 50 days another cutting is ready. Sudan Grass grows abundantly after the first cutting and the second is very fine-stemmed.

Price—Pound, 20c; 5 lbs., 75c; 10 lbs., \$1.75; 25 lbs., \$2.75, post paid. Write for prices on larger quantities.

### (1212) Sagrain—the Wonder Crop

Sagrain, rightly called the wonder feed crop, has taken the South by storm. It does well on all heavy types of soil; thrives under the same adverse conditions as sorghum, and produces six to seven tons per acre, one to two tons of which is grain. The grain is similar to that of the Kaffirs, which means it has 9/10 the feeding value of corn. In other words, 10 bushels of Sagrain is equal to 9 bushels of corn as a stock feed. Sagrain can be fed to mules, cows, hogs and other animals and is relished by all.

Sagrain should be planted on well-prepared seed beds in three to three and a half foot rows, 8 to 10 seed per hill every 10 to 12 inches. A blank corn plate with 3/4 inch holes, properly spaced, will do the work. One bushel will plant 6 to 8 acres and the Sagrain should be thinned three to five stalks per hill. It matures in 70 to 75 days.

W. E. Ayres, director of the Stoneville Experiment Station, says: "Sagrain is so drought-resistant and has such a wide adaptation and has done so well so far that it deserves a thorough trial on the Delta plantations. It certainly is much safer than corn under conditions which most Delta corn is grown."

Sagrain is low and soy beans high in protein. A combination of the two will produce a well balanced ration.

Prices—Pound, 25c; 5 lbs., \$1.00; 10 lbs., \$1.75, post paid.



All Prices on This Page Post Paid

## KAFFIR CORN AND MILLET

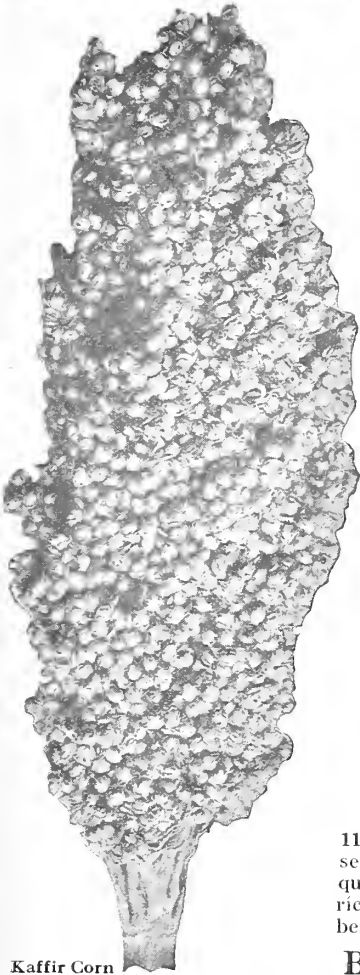
**1216—EGYPTIAN WHEAT**—If it is used for fodder purposes, it may be cut about three times a year, yielding in the three cuttings from 5 to 7 tons per acre. Grows 6 to 8 feet high. Plant from January until July, depending upon your locality. We recommend sowing 10 pounds to the acre in rows 3½ to 4 feet apart. Sow broadcast at the rate of 25 lbs. to the acre. Price—Large pkt., 10c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.75.

**1210—WHITE AND 1211—RED KAFFIR**—These two varieties become more valuable every year because of their drought resisting qualities. Grow 4 to 5 feet high, are very stocky and leafy: valuable alike for forage and grain. Plant from March to July, in rows 3 feet apart, drilling seed thinly like sorghum. If wanted for grain principally, let heads mature on the stalk and then the whole stalk may be cut for fodder after the seed heads have been cut. Price—Large pkt., 10c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.75.

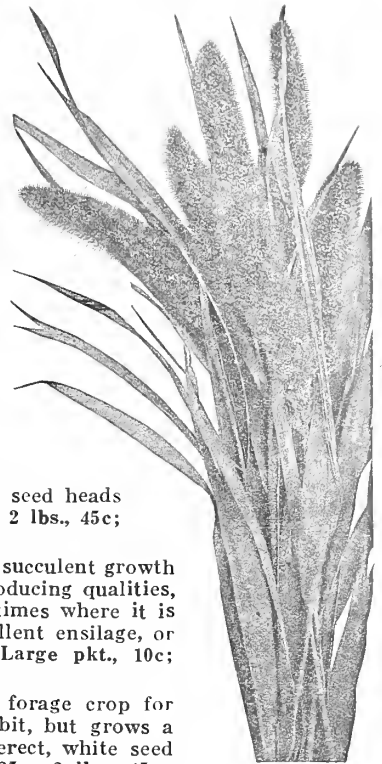
**1213—YELLOW MILO MAIZE**—This makes a thick, succulent growth of forage, very nutritious and of splendid milk-producing qualities, and like sorghum, can be cut over two or three times where it is desired to cut for green forage. Also makes excellent ensilage, or can be cured same as other sorghums. Price—Large pkt., 10c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.75.

**1214—FETERITA**—A non-saccharine cane, a new forage crop for the South. Similar to Kaffir Corn in general habit, but grows a little taller and produces larger heads, standing erect, white seed and early maturity. Price—Large pkt., 10c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.75.

**1185—GERMAN OR GOLDEN MILLET**—It matures in from six to eight weeks after seeding. Cut while in bloom, before the seed hardens in the head, as after that the hay quality decreases. There are two necessities for a successful crop of Golden Millet—first, rich or highly manured soil; second, Southern grown seed, that from Tennessee being the best. Price—Large pkt., 10c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.75.



Kaffir Corn



German Millet

## BUCHANAN'S PEANUTS

**CULTURE**—Plant the shelled nut in May or early in June, dropping the nuts 8 to 10 inches apart in 2½ to 3 foot rows and cover 1 to 2 inches deep. Cultivate thoroughly until the nuts begin to form. When harvesting loosen the roots with a plow, pull the vines with the nuts attached, allow them to dry, and stack around a stake, turning the nuts inward. Cross stakes or brush should be set at the foot of the stake to hold the vines off the ground.

### (1177) Spanish Peanuts—Bunch

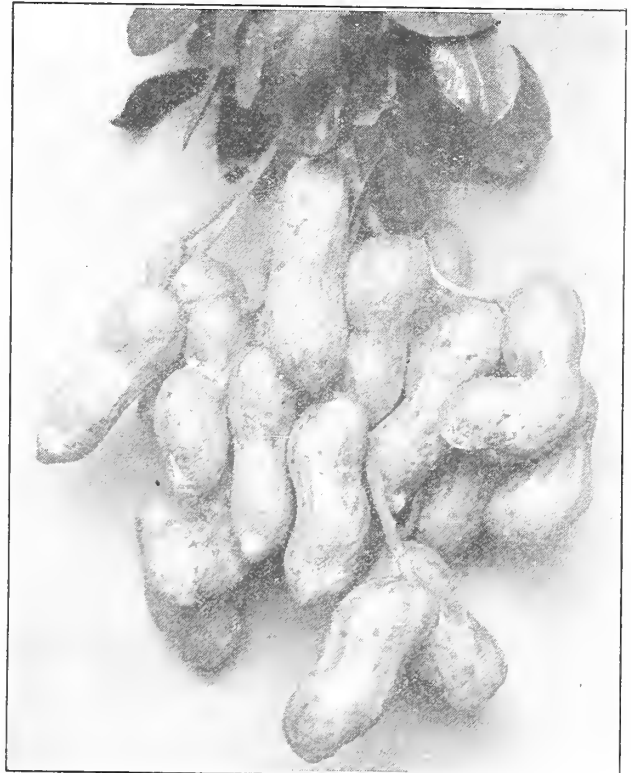
Although not as large as other kinds, there is no peanut grown that so entirely fills the pod nor can compare with it in sweetness and flavor. There is also a marked freedom from pops, so frequently found in the large varieties when grown under unfavorable conditions. They can be grown closer than most varieties, are more easily cultivated and gathered, as the nuts, which are clustered around the base of the plant, cling firmly to the roots, and no peanut is more readily cured. Price—Pound, 25c; 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$4.35, post paid. Write for prices on quantities.

**1178—TENNESSEE RED RUNNING**—The finest large variety grown; similar to Spanish Peanuts, but the pods are much larger and longer, well adapted to all soils. The pods usually contain from three to four nuts, which are very rich and highly flavored. Price—Pound, 25c; 5 lbs., \$1.15; 10 lbs., \$1.90; 25 lbs., \$4.50, post paid. Write for prices on quantities.

### (1180) Virginia Peanuts—Red

The biggest, brightest peanuts always have preference when the market is depressed, so you cannot be too careful about the peanut you grow. There is no peanut of the running type that will yield better crops with as small a percentage of pops as our selected stock of Improved Virginia Peanuts. They are uniformly large, and when grown on light sandy land will produce nuts of that bright attractive appearance demanded by the best trade. Price—Pound, 30c; 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$4.50, post paid. Write for prices on quantities.

**1179—JUMBO OR MAMMOTH WHITE VIRGINIA**—Large size pods; best variety for commercial use. Price—Pound, 35c; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., \$5.50, post paid. Write for prices on quantities.



Spanish Peanuts



The prices of Field Seeds are changing constantly and were we to quote definite prices on sack lots or more in this catalogue they would probably be incorrect before we receive your order. Send us a post card and immediately upon receipt of it we will send you our regular wholesale quotation card.

**Oats**

## Miscellaneous Farm Seeds

### Buchanan's Smooth Beardless Wheat

Oats packed 5 bu. (160 lbs.) to bag; sow 60 to 90 lbs. to acre alone; with Vetch 32 lbs. Oats and 30 lbs. Vetch.

**1275 APPLER OATS.** Are equally well adapted for sowing both in the spring and fall. Price—Peck, 65c;  $\frac{1}{2}$  bu., \$1.10; 1 bu., \$2.05, post paid.

**1276 EARLY BURT OATS (90 days).** Sow in February, March, and April, 15 days earlier than any other spring oats; free from rust; healthy, and makes a remarkably good yield of clean, bright, heavy grain. Price—Peck, 60c;  $\frac{1}{2}$  bu., \$1.00; 1 bu., \$1.75, post paid.

**1277 CLAY OATS.** Very similar to the Early Burt Oat in every way; for spring planting only. Price—Peck, 65c;  $\frac{1}{2}$  bu., \$1.10; 1 bu., \$2.05, post paid.

**1278 TURF OATS.** Often called Winter Turf because they stand the winter better than any other oat that you can sow in the fall. Sow at the rate of 2 bushels per acre. Price—Peck, 75c;  $\frac{1}{2}$  bu., \$1.30; 1 bu., \$2.45, post paid.

**1279 FULGHUM OATS.** This Oat has been very popular for 6 years. It is of the rust proof type, earlier than either Appler or Red Rust Proof, and a heavier yielder. Price—Peck, 65c;  $\frac{1}{2}$  bu., \$1.10; 1 bu., \$2.05, post paid.

**1280 RED RUST PROOF.** I do not hesitate to recommend this variety as being the best of all varieties for spring or fall seeded oats. It is very hardy, seldom winter kills, and is especially recommended for fall planting in preference to other varieties by several of our foremost Agricultural Experiment Stations. This variety is very hardy, producing a medium tall, stiff straw and a heavy yield of grain or hay. The stock which we offer is exceptionally heavy, bright, re-cleaned and graded. Price—Peck, 65c;  $\frac{1}{2}$  bu., \$1.10; 1 bu., \$2.05, post paid.

Prices on Wheat, Oats and Rye are constantly changing. Write for Wholesale Price List when ready to buy.

### Seed Rye

All of our Seed Rye is carefully inspected to guard against you getting Johnson Grass, Wild Onion, and Cheat. Packed  $2\frac{1}{2}$  bu. (140 lbs.) to bag; sow alone (56 to 112 lbs. to acre) with Vetch 30 lbs. Rye and 25 lbs. Vetch.

**1265 BUCHANAN'S ABRUZZI RYE.** Every time we grow a crop of Abruzzi Rye we become better pleased with it and more and more impressed with its possibilities for Southern planting. On heavy soils Abruzzi makes a vigorous growth with well filled heads that mature earlier than Common Rye. In our tests of various ryes, Abruzzi proved one of the earliest in this respect, being equalled by none. It stands from 5 to 6 feet high with fairly stiff straw of average size; the heads average about 6 inches long and are well filled. For winter and spring grazing on light lands no rye is the equal of Abruzzi. On the government test farm at Arlington, Va., in a test covering five years, Abruzzi Rye averaged 36 bushels to the acre, produced large heads and tall, vigorous growing large straw. If sown on good land in September it will be ready for grazing in about six weeks, and will furnish grazing for several months if not grazed too close. Unless wanted for grazing, do not sow as early as September, as it may go to seed during the winter or early spring; late October or early November is early enough to sow for a grain crop. Price—Peck, \$1.50;  $\frac{1}{2}$  bu., \$2.75; 1 bu., \$4.25, post paid. Write for quantity prices.

**1266 MICHIGAN ROSEN RYE.** Makes a splendid cover crop, and when grown on land to which it is suited, makes heavy grain head on thick, stiff straw about 5 feet high. It is fine for grazing, although the spring growth is not as early as Abruzzi, nor is the straw as long. Price—Peck, 95c;  $\frac{1}{2}$  bu., \$1.75; 1 bu., \$3.25, post paid.

**1267 SOUTHERN RYE.** I have sold Southern or Common White Rye for thirty years, and while there is no special comment to make on same, there is more of it sown than all other varieties combined. It is cheaper in price and can be sown from August 15 to December 15 for grazing. Sow about 2 bu. to acre. Price—Peck, 95c;  $\frac{1}{2}$  bu., \$1.75; 1 bu., \$3.25, post paid.

**Abruzzi Rye**

**FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.**

## Buchanan's Austrian Winter Peas

**1250 AUSTRIAN WINTER PEAS.** Introduced into the U. S. A. about five years ago from Central Europe where the dairy farmers plant them very extensively to be used as green forage during the winter and spring.

This Winter Pea has endured temperatures of 10° below zero in Oregon with only a light snow covering and 3° below in Washington, D. C. In Georgia it has survived without injury when Oats and all Vetches except Hairy Vetch were killed.

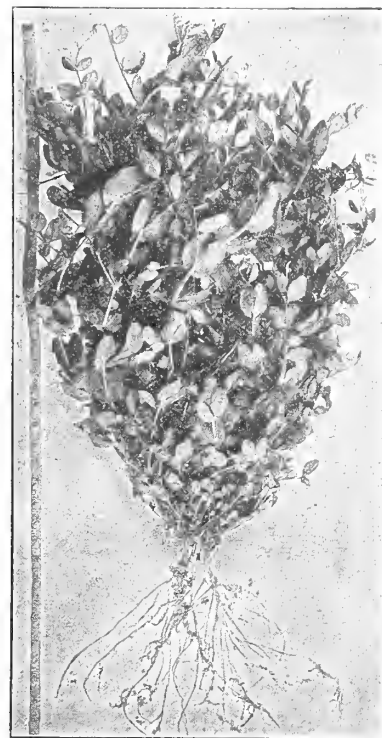
W. E Ayres, Director of the Delta Experiment Station at Stoneville Miss., recommends Austrian Peas and Vetch the safest legume crops to use and advises Delta Planters to plant 15 to 20 pounds to acre in cotton middles after the first picking of cotton.

These Peas should be planted after the first good season after September 10th, and then on for six weeks according to your latitude. At the South Mississippi Experiment Station, Poplarville, Miss., these peas were planted Oct. 27th, came up promptly and grew luxuriantly until March 10th.

The Peas should be inoculated if planted on ground that has never grown Peas or Vetch before.

A good plan for planting is to disk about 25 to 30 lbs. per acre about 2 inches deep in cotton middles for green manure. If sown for hay it is best to mix 25 lbs. of peas with 1 bu. Oats—Oats hold the peas up to be cut.

Austrian Peas when used for soil improvement should be turned under the first half of March. When used for hay they are ready about the same time as oats planted the same time. Price—lb., 25c; 5 lbs., \$1.15; 10 lbs., \$2.20; 15 lbs., \$2.75; 25 lbs., \$5.00, post paid. Write for prices on quantities.



**Austrian Winter Pea**



**Red May Wheat**

## Dwarf Essex Rape

**1063 DWARF ESSEX RAPE.** Rape is one of the most valuable forage plants, its many uses being considered, that has ever been introduced into the United States. The use of Rape has grown in a few years from a few thousand pounds of seed used, to thousands of tons of seed per year. Until lately Rape has been grown mostly for sheep pasture, but in recent years people have learned that it is equally valuable as a forage crop for cattle, hogs and poultry. The young, tender leaves of Rape make fine greens for table use and are preferred by some to mustard and other greens. To those of our customers who are not familiar with Rape, we will say that it grows somewhat like a cabbage plant before the cabbage begins to head up; however, the Rape makes a larger plant, often 18 inches to 2 feet high, under favorable weather conditions and on good soil Rape will produce from 10 to 25 tons of green forage per acre. It can be sown in the fall as it stands our winters without killing, it can also be sown in the spring with good results. Sow in drills at the rate of 5 to 8 pounds per acre. Price—1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75; 15 lbs., \$2.40; 25 lbs., \$3.75, parcel post paid. Write for quotations when wanted in large quantities.

## Beardless Wheat

Wheat, 60 lbs. to a bushel; sow 60 to 90 lbs. to acre alone, with Vetch 30 lbs. Wheat and 20 lbs. Vetch.

**1258 FULTZ.** A smooth head wheat, sown in South for grazing green hay and in some sections threshed and ground for flour. Price—Peck, \$1.00; ½ bu., \$1.85; 1 bu., \$3.50, post paid. Write for prices on quantities.

**1260 RED MAY.** Beardless or smooth-head, sown mostly in the South for grazing and to cut green for hay in spring. Price—Peck, \$1.00; ½ bu., \$1.85; 1 bu., \$3.50, post paid.

**1263 BEARDLESS WINTER BARLEY.** It makes a quick growing crop of most excellent and nutritious feed, either to use green or to cure as hay. Sow 1½ to 2 bushels per acre. Price—Peck, 90c; ½ bu., \$1.95; 1 bu., \$3.25, post paid.

**1262 BEARDED WINTER BARLEY.** Best for fall sowing; in fact, makes the finest winter pasture and should be more generally used. Price—Peck, 90c; ½ bu., \$1.75; 1 bu., \$3.25, post paid.

**2164 BROOM CORN (Dwarf).** Sow in May, about 10 lbs. per acre, in drills 3 feet apart. Plants should be thinned out to stand 3 inches apart in the row. Price—Large pkt., 10c; 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75, post paid.

**1269 BUCKWHEAT (Silver Hull).** The grain of this type is plump and silvery gray. The crop continues to bloom longer than common buckwheat and therefore is larger. Sow broadcast, 50 lbs. to the acre. Price—Large Pkt., 10c; 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.75.

**1268 SUNFLOWER (Mammoth Russian).** Sow 10 lbs. per acre in drills 3 feet apart, dropping the seed about every 4 inches. Price—Large pkt., 10c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.00, post paid.

Prices on Peas, Wheat and Barley are constantly changing. Write for wholesale prices when ready to buy.



**Dwarf Essex Rape**



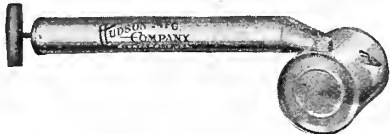
**SPRAYER PARTS**—We can furnish parts for all Hudson Sprayers. Send the worn or broken part you wish and we will send the part to match by C. O. D. Parcel Post.



665—Hudson Major Duster



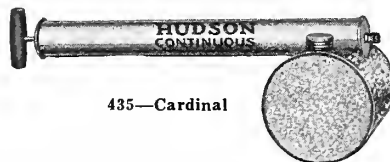
663—Cadet Duster



452—Hudson Misty



426—Hudson Continuous



435—Cardinal

#### 435—HUDSON CARDINAL SPRAYER

This is the best all purpose handy continuous sprayer for use in the household, barn, dairy and poultry house that we know. Pump heavy tin, 15 inches long. Tank galvanized steel, 5½ inches diameter. Capacity 3 qts. Nozzle all brass.

Price, post paid, each, \$1.75; not prepaid, \$1.50.



Hudson 4A Barrel Pump 120H—Standard Sprayer



36—Sunshine Wheelbarrow Sprayer

## Buchanan's Spray Pumps

**No. 665—MAJOR DUSTER**—Handles Paris Green, Arsenate of Lead, Calcium Arsenate and similar poisons very efficiently.

**Pump**—Heavy tin, 2¼ inches diameter, 9 inches long.

**Powder Reservoir**—2¼ inches diameter, 5 inches long. Fitted with air valve to keep powder from entering pump.

**Discharge equipment**—Heavy tin; 12 inch extension enables operator to reach low lying plants without bending. Furnished with 2 tips, one an angle tip for ordinary purposes, dusting the under sides of leaves, plants, etc., the other a broad angle tip for use where larger areas are to be covered, and where consequently a larger and wider cloud of dust is needed.

**No. 665—Major Duster**, post paid, \$1.40; at store, \$1.25.

**No. 663—Cadet Duster**, a smaller size, post paid, 60c; at store, 50c.

**No. 202—MIDGET**—Pump. Heavy tin, 1¼ inches diameter, 10 inches long; Hudson plunger leather and heavy rod. Tank. Heavy tin, 3 inches diameter, 3 inches long; capacity about ¾ pint. Lock-seamed and thoroughly leakproof. Length over all, 14 inches. Each sprayer individually air tested. Price, post paid, 45c; at store, 30c.

**No. 452—MISTY**—Is a universal favorite for use in and around the house, yard, garden, chicken house, etc. Pump is made of heavy tin. Tank is either heavy tin or brass sheet as ordered. The point of the pump passes through the tank and is securely soldered. Syphon tube is set at proper angle by a jig and carefully soldered. Construction combines strength, simplicity, neatness and uniform efficiency in operation. Heavy plunger rod and good leather. Capacity—One Quart.

**No. 452—Misty Sprayer**, heavy tin, post paid, 60c; at store, 50c.

**No. 452B—Misty Sprayer**, brass tank, brass pump, post paid, \$1.05; at store, 90c.

**No. 426—CONTINUOUS**—Handles very efficiently fly oils, insecticides, disinfectants, and all other solutions which are free from sediment. Used on rose bushes and flowering shrubs, against flies, roaches, bed bugs, and other insects. It delivers a finely divided atomized mist continuously. Very rigid construction with pump recessed into top of tank and securely soldered. All working parts are brass, with syphon tube and check valve readily accessible. Made of heavy tin or brass. Capacity one quart. Lockseamed and soldered throughout.

**No. 426—Continuous**, heavy tin, post paid, 90c; at store, 75c.

**No. 426B—Continuous**, all brass, post paid, \$1.50; at store, \$1.35.

**No. 4—BARREL PUMP**—Is powerful, light and durable and will maintain a continuous working pressure of 200 pounds. Has ample capacity for two lines of hose if desired. Because of its high pressure, it is particularly adapted for use in small orchards, vineyards, truck gardens, on shade trees, shrubbery, in poultry houses, cattle barns and stockyards. Handles whitewash, cold-water paints, disinfectants, insecticides, etc., in a very efficient manner.

Cylinder is seamless brass. Valves are bronze balls, mounted in brass cage. Agitator is all metal, dasher type. Furnished with attachment for mounting on chime of barrel. Fittings for mounting on head or side of barrel supplied at small additional cost.

**No. 4—Pump**, no discharge equipment. Shipping weight 30 pounds. Post paid, \$10.50; at store, \$9.75.

**No. 4A—Pump** with 6-ft. ¾-in. 5-ply spray hose and 4-ft. extension rod, total 10 ft., and angle Ideal Nozzle. Shipping weight, 33 pounds. Post paid, \$14.50; at store, \$13.75.

## Standard Sprayer

**120H**—A general purpose sprayer, suitable for every spraying need. Made entirely of brass, with two solid brass ball valves. Sprays orchards, large or small; potatoes or truck crops. Sprays whitewash, any cattle, dip or disinfectants. Price Sprayer at store or by express not prepaid, \$5.00; post paid, \$5.25.

**No. 36—SUNSHINE**—The Hudson Sunshine Sprayer fits the needs of the florist or nursery man, because its width permits its use between the narrow rows. It is also adapted for orchards, vineyards and truck gardens, for whitewashing poultry houses and dairy barns; spraying stock dips, treating ornamental shrubbery, flowers, etc. Its continuous high pressure and easy portability adapt it for work of all kinds. Its two wheeled construction enables it to be used on hillsides or on uneven ground without danger of tipping.

Pump is fitted with dasher type agitator driven by each stroke of the plunger. Valves are bronze balls mounted in a brass cage, accessible without dismantling the pump. Cylinder is seamless brass. Air chamber has ample capacity for high pressure and steady discharge. Tank is heavy gauge copper bearing galvanized steel; capacity 12½ gallons. Discharge equipment consists of 5 feet of ¾-in. 5-ply spray hose, 2 foot iron pipe extension and angle spray nozzle.

**Standard Package**—One in a crate. Shipping weight, 43 pounds. **\$15.60.**





# BUCK BRAND TESTED SEEDS

## HUDSON JUNIOR SPRAYER

It is particularly adapted for the backyard garden or small truck farm, for use around the chicken house, in the dairy barn, hog pen, for disinfectants in the home.

**Tank**—6½ inches diameter, 17 inches long; capacity about 2½ gallons. Made of first quality brass, or copper bearing galvanized sheets. Brass is recommended for use with corrosive solutions because it resists their action better.

**Pump**—1¼ inches diameter, 15 inches long; seamless brass tubing. Fastens into the tank by means of a brass cap screwing onto the brass tank collar. Easily removed.

**Discharge Hose**—Attaches to the supply tube which extends to the bottom of the tank and allows all the liquid to be discharged. Tube curves to fit the natural bend of the hose, eliminating the need of a supporting wire spring.

**Nozzle**—Our "Perfection" automatic shut-off nozzle, which will handle all solutions perfectly. Operates positively under all pressures. Fitted with ¼-inch pipe thread so that an extension rod can be used with it.

No. 140G—Junior, galvanized tank. Price, post paid, \$5.25; at store, \$5.00.

No. 140B—Junior, brass tank. Price, each, post paid, \$7.75; at store, \$7.50.



140G—Junior

110G—Perfection

## HUDSON PERFECTION SPRAYER

It is very practical for use around the orchard, barn, or outhouse; on truck farms; in onion, melon and small potato fields; for removing old wall paper, spraying stock, dip, etc.

**Tank**—7½ inches diameter, 20 inches high; capacity approximately 4 gallons. All seams are riveted and soldered. Tested under actual working conditions before it leaves the factory. Made of first quality copper-bearing galvanized or brass sheets.

**Discharge Hose**—Attaches directly to the discharge tube which extends to the bottom of the tank. This tube is curved to fit the natural bend of the hose and eliminates the need of the supporting spring so commonly used.

**Nozzle**—Is especially designed for high pressure work. It is automatic in action and operates perfectly under all pressures. Fitted with standard ¼-inch pipe threads so an extension rod can be used with it.

**Pump**—Seamless brass tubing, 1¼ inches diameter, 15 inches long. Ample capacity to develop the pressure for which the Perfection is noted. The design of our pump top is individual, combining simplicity, convenience, strength and service. May be removed from the tank with ease.

No. 110G—Perfection, galvanized tank. Price, each, post paid, \$6.75; at store, \$6.50.

No. 110B—Perfection, brass tank. Price, each, post paid, \$10.25; at store, \$10.00.

No. 172B—Extension Rod, 2 foot brass, fits either Junior or Perfection Sprayer. Price, each, post paid, 75c; at store, 60c.

**No. 32 IDEAL PORTABLE SPRAYER**—Equipment, tank 12 gallons, portable, attached to an iron wheelbarrow frame with wheel; 10 feet ¾-inch pressure hose; 4 feet pipe extension; 1 T shut-off cock; 1 nozzle. Weight, 65 lbs. Price, \$23.25.

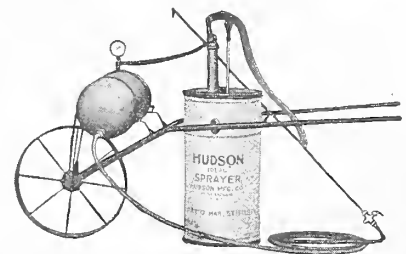
**No. 33 IDEAL**—Different from No. 32 in that it is equipped with a reserve air pressure gauge and tank. Once the desired pressure has been reached this reserve air chamber enables the operator to maintain an even, high pressure.

No. 33 Ideal Sprayer, galvanized supply tank. Price, \$35.75.

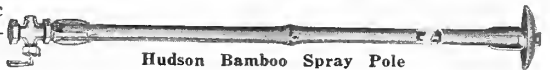
**No. 604 HUDSON DUSTER**—Develops an unusually powerful air blast. It delivers more than enough air at the nozzle to prevent clogging and, to break the powder into a fine floating dust. It has two agitators, one oscillating, one rotary. The oscillating agitator keeps the powder from caking in the hopper. The rotary feeds the powder down into the delivery spout. Indicator has a very wide range of adjustment. It can be set to feed exactly the amount of powder required. Will handle any powder, whether light or heavy. Capacity 5 to 10 pounds, depending on the powder used.

Made of lead coated steel throughout, neatly painted and finished. Gears are steel, machine cut—run in oil, which reduces wear and noise. Gear case is oil and dust proof, yet readily accessible. Discharge equipment consists of two nozzles, two elbows, a wye connection, and four 15 inch tubes. This permits the use of one or two nozzles. Equipment can be arranged to dust plants from above, from underside as for Aphis, for bushes, trees, etc.

**Standard Package**—One in a heavy fibre carton. Shipping weight 22 pounds. (Cannot be mailed.) Price, at store, \$13.75.



No. 33 Ideal Sprayer



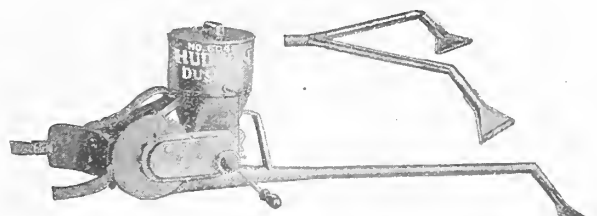
Hudson Bamboo Spray Pole

**Hudson Bamboo Spray Poles** are brass lined. This lining is in one piece, locked to the poles at both ends. Will not turn inside the bamboo, because of the special end castings. Fitted with adjustable brass drip shield and stop cock. Recommended for all work where an extension rod longer than 4 feet is required. No. 42 Spray Pole, 8 foot, with stop cock. Price, each, \$3.60.



Hudson 5-Ply Spray Hose

**HUDSON SPRAY HOSE**—Is made especially for spraying purposes. It is 5-ply, of best material, and the inner liner is of special composition not affected by the chemical action of the various spray solutions. Furnished in both ¾-inch and ½-inch size, any length up to 50 feet. Price, ¾-inch, 16c and ½-inch, 18c per ft., post paid.



Hudson Duster—No. 604



## Buchanan's Dependable Insecticides

Order Early. Fruit trees should be sprayed late in winter or very early in spring. Have the material on hand and do the work at the right time. You can raise good fruit by a systematic spraying.

Try spraying this spring. You will be well repaid for your expense and trouble. Directions for applying the different preparations are printed on the packages. Prices are F. O. B. Memphis, purchaser paying carrying charges, unless stated otherwise. All prices are subject to change.

Poisonous insecticides and liquids of any kind are not permitted in the mails. Grower's Guide or Spraying Table, showing how and when to spray, see page 91.

### GRASSELLI CALCIUM ARSENATE

Calcium Arsenate is recommended by all Government Authorities and has proven to be the best poison to control Boll Weevil, Army Worm and Cotton Leaf Worm. We carry a large stock of Grasselli Calcium Arsenate at all times and are in position to make prices and ship carlots or less quantities upon your inquiry.

### BUCHANAN'S OIL EMULSION

**OIL EMULSION**—For a dormant spray Oil Emulsion provides the cheapest, most effective and complete control of scale insects, aphids and thrips that winter over on trees. For scale control on all fruit trees, shrubs and shade trees use one gallon Oil Emulsion to twenty gallons water, or 2½ gallons to 47½ gallons water for a 50 gallon mixture. To control peach leaf curl thoroughly dissolve 3 lbs. Bluestone or 8 lbs. Bordeaux and add to each 50 gallons of water before pouring in the correct amount of Oil. If your water is extremely hard 4 lbs. Bordeaux added to each 50 gallons of water in the same way as for peach leaf curl will prevent the Oil from curdling. To get best results every part of the tree must be completely covered. Spray in fall after leaves and fruit are off or in spring before buds swell. Do not use when the temperature is below 40 degrees.

Price—½ gal., 50c; gal., 65c; 5 gals., \$2.50; 10 gals., \$4.50; 15 gals., \$6.00; 25 gals., \$9.50; 50 gal. bbl., \$14.00. Cannot be mailed.



### BUCHANAN'S LIME SULPHUR SOLUTION

**LIME SULPHUR SOLUTION**—Is an insecticide as well as a fungicide, free from sediment and works through the nozzle easily. Used as an insecticide to control San Jose Scale, Blister Mite and similar sucking or scale insects, at a dilution of 1 gallon to 8 gallons of water and applied either after the leaves drop in the fall or before the buds open in the spring. For small quantities use 1 pint Lime Sulphur Solution to 1 gallon of water. Never use at this strength when trees are in foliage. The spring application, just before the buds swell, will assist in controlling Leaf Blister Mite, Plant Lice and Peach Leaf Curl and is advisable in orchards when the scale is already under control. To control Scab, Leaf Spot and similar fungous diseases on apples and pears, use 1 gallon to 50 gallons of water. For small quantities, as a summer spray, use 2 full ounces to 1 gallon of water.

Price—½ gal., 50c; gal., 65c; 5 gals., \$2.50; 10 gals., \$4.50; 15 gals., \$6.00; 25 gals., \$9.50; 50 gal. bbl., \$13.50. Cannot be mailed.

### CALCIUM ARSENATE

**CALCIUM ARSENATE**—Recommended by all experimental stations for cotton boll weevil; also a sure remedy for army and other worms. Price—1 lb., 25c; 4 lbs., 75c; 12 lbs., \$1.75; 24 lbs., \$3.00; 48 lbs., \$5.50; 100 lbs., \$8.50. Cannot be mailed.

### DRY LIME SULPHUR

**LIME SULPHUR (Dry or Powdered)**—Dry Lime Sulphur is the actual standard liquid material in dry powdered form and requires only the addition of water to make an effective spray. Price, post paid—1 lb., 35c; 5 lbs., 1.25; 12½ lbs., \$2.00; 25 lbs., \$4.00; 50 lbs., \$6.75.

Not prepaid: 1 lb., 25c; 5 lbs., \$1.00; 12½ lbs., \$1.75; 25 lbs., \$3.50; 50 lbs., \$6.00; 100 lbs., \$11.00; 200 lbs., \$20.00.

### ARSENATE OF LEAD

All Arsenate of Lead is packed in 4 lb. packages for your convenience in measuring.

**DRY ARSENATE OF LEAD**—Does not burn the foliage, as other poisons will, kills every insect that eats it, superior in every way to Paris Green, can be used dry as a powder or as a solution in water. Price—1 lb., 30c; 4 lbs., \$1.00; 12 lbs., \$2.75; 24 lbs., \$4.75; 48 lbs., \$8.20; 96 lbs., \$15.35. Cannot be mailed.

### BORDEAUX MIXTURE

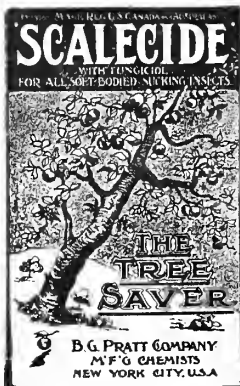
All Bordeaux is packed in 4 lb. packages for your convenience in measuring.

**BORDEAUX MIXTURE, DRY**—The perfect spray for fungous diseases of Fruit Trees, Shrubs and Flowers, especially black spot on Roses. Fungous troubles must be prevented by spraying at regular intervals. Price—1 lb., 30c; 4 lbs., 85c; 12 lbs., \$2.40; 24 lbs., \$4.35; 48 lbs., \$7.20; 96 lbs., \$13.50. Cannot be mailed.

### SUMMER PEACH SPRAY

**SUMMER PEACH SPRAY**—A summer spray on peaches and plums, for use in place of self or home boiled Lime Sulphur, for the control of brown rot, scab, and leaf spot.

Mix 1 lb. with each 5 gallons water. Add 3 teaspoonfuls arsenate of lead to each gallon of spray mixture. First application when two-thirds of blossoms have fallen. Second application two weeks after with same mixture. Third application two weeks after second with same mixture. Last spraying just before peaches ripen but do not use any arsenate of lead. Price, post paid—1 lb., 25c; 5 lbs., \$1.10; 10 lbs., \$1.75; 25 lbs., \$3.25; 50 lbs., \$5.00. Not prepaid—1 lb., 20c; 5 lbs., 90c; 10 lbs., \$1.50; 25 lbs., \$2.50; 50 lbs., \$4.00; 100 lbs., \$7.50.



### SCALECIDE

**SCALECIDE (Miscible Oil Spray)**—The most complete dormant spray for fruit trees, shrubs and vines; makes them fruitful, healthful and beautiful. Pleasant to use, non-poisonous. Kills scale, insects, eggs, larvae and disease cankers and fungous spores wintering on the plant. Mixes instantly—dilute 1 to 15.

Price—1 qt., 70c; 1 gal., \$1.60; 5 gals., \$6.00; 10 gals., \$10.00; 15 gal. drum, \$13.50; 30 gals., \$24.50; 50 gals., \$32.00.

**GRASSELLI DUTOX**

(Barium Fluosilicate)

Replacing Sodium Fluosilicate

Growers have been anxious to find a control for the Mexican Bean Beetle that would not injure the plants and would be less harmful to humans.

It will not burn bean foliage and will not injure the soil. It can be applied as a dust alone (six pounds per acre) or diluted with four or five times its weight of lime, road dust or some other inert material, and the gun set so as to deliver enough of the mixture to give six pounds of Dutox to the acre. As a spray use one pound

of Dutox to 50 gallons of water. Dusting can be done on beans when leaves are wet without danger of burning the foliage.

While Dutox is primarily recommended for use against the Mexican Bean Beetle, extensive trials by trained experimenters and practical growers indicate that it will control Tobacco Hornworm, Tobacco Flea Beetle, Colorado Potato Beetle, Egg-plant Beetle, Striped Cucumber Beetle, Blister Beetle, Cabbage Worm, Tomato Worm and the Japanese Beetle, when used as directed for the Mexican Bean Beetle. Price—1 lb., 30c; 6 lbs., \$1.50; 1 case, 36 lbs., \$9.00. Cannot be mailed. **VOLCK**—For the garden, greenhouse, florist and nurseryman. It successfully controls scale, mealy bug, white fly, red spider, and mites, aphids, caterpillars and many other insect pests. The wide range of pests for control of which VOLCK is now being used is constantly enlarging. Rose mildew is prevented by spraying with VOLCK. Full directions on each can. Price, post paid— $\frac{1}{2}$  pt., 55c; pt., 80c; qt., \$1.10; 1 gal., \$3.20. At store— $\frac{1}{2}$  pt., 50c; pt., 75c; qt., \$1.00; 1 gal., \$3.00. **FISH OIL SOAP**—A (fish oil) soap effective in destroying many sucking insects and lice on plants, trees, ferns, etc. Also used extensively with cylinder oils in making oil emulsions to reduce the surface tension. Price, post paid—1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50. Not prepaid—1 lb., 30c; 5 lbs., \$1.40; 10 lbs., \$2.25.

**TREE TANGLEFOOT**—A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests can not get over it. Price, post paid—1 lb., 70c; 5 lbs., \$2.65; 10 lbs., \$4.50. Not prepaid—1 lb., 60c; 5 lbs., \$2.50; 10 lbs., \$4.25.

**BUG DEATH**—A new powder that effectually takes the place of Paris Green and other dangerous and poisonous insecticides. Absolutely safe to use, as it contains no poison whatever. Send for circulars. Price, post paid—1 lb., 30c; 5 lbs., 95c; 12 $\frac{1}{2}$  lbs., \$1.85. Not prepaid, 1 lb., 25c; 5 lbs., 75c; 12 $\frac{1}{2}$  lbs., \$1.50.

**SLUG SHOT (Hammond's)**—A non-poisonous powder insecticide; it requires no mixing or preparation, easily applied and not injurious to person applying it, or fruits and vegetables. Destroys potato bugs, beetles, green flies, slugs, worms, etc. Price, post paid—1 lb., 30c; 5 lbs., 75c; 10 lbs., \$1.40. Not prepaid, 1 lb., 25c; 5 lbs., 60c; 10 lbs., \$1.15; 25 lbs., \$2.75; 125-lb. keg, \$13.50.

Pat. Mar. 16 & Nov. 9, 1897

no mixing or preparation, easily applied and not injurious to person applying it, or fruits and vegetables. Destroys potato bugs, beetles, green flies, slugs, worms, etc. Price, post paid—1 lb., 30c; 5 lbs., 75c; 10 lbs., \$1.40. Not prepaid, 1 lb., 25c; 5 lbs., 60c; 10 lbs., \$1.15; 25 lbs., \$2.75; 125-lb. keg, \$13.50.



**BUCHANAN'S PARADICHLOROBENZENE KILLS THE PEACH TREE BORER**

**PARADICHLOROBENZENE**—Kills peach tree borer. In the Upper South, September 15 to October 5 is the right time to apply; Middle South, October 1 to 15; and Lower South, October 10 to November 15. Can also be used in Spring.

Level the ground around the base of the tree by scraping off grass, weeds, etc., to a distance of about two feet. The gummy substance and soil sticking to the tree should be scraped off. Remove only an inch or two of the loose soil on top. Then smooth with back of shovel. (See cut.) Scatter in a band around the tree about two inches wide. The inner part of this circle should be from 1 $\frac{1}{2}$  to 2 inches from the main trunk of the tree. Measure carefully so as to use the proper amount. Cover with soil. Don't stand back and throw the soil, but stand up close to the tree and put it directly on top of the paradichlorobenzene. Make a cone-shaped mound. Cover not less than three to six inches deep. Pack with back of shovel. Need not pack very tightly, but firm carefully.

For trees that have grown three years, use three-fourths of an ounce as a dose. Use only one-fourth ounce on trees that have grown two years. For trees four years of age and older, use one ounce. For abnormally large ones, use 1 $\frac{1}{4}$  ounces. Price, post paid—1 lb., 60c; 5 lbs., \$2.25; 10 lbs., \$3.75; 25 lbs., \$7.50; 50 lbs., \$14.00. Price, at store or not prepaid—1 lb., 50c; 5 lbs., \$2.00; 10 lbs., 3.50; 25 lbs., \$6.75; 50 lbs., \$13.00; 100 lb. drum, \$24.00.



Non-Poisonous  
All-Round  
Insecticide for  
Plants and  
Flowers



This is a Pyrethrum insecticide, recommended for killing a wide variety of plant insects, including Plant Lice, Cabbage Worms, Cut-Worms, Cucumber Beetle, Thrips, Rose Slugs, Rose Chafer, Squash Beetles, Red Spider, Currant Worm, Mealy Bugs, Leaf Hoppers, Potato Bugs or Beetles, Bean Beetle, Japanese Beetle, Asparagus Beetle, Leaf Tiers, Pear Slugs, White Fly, Aster Beetle. In fact, it's sure death to common insects. It's safe to use, non-injurious to plants or animals, doesn't deteriorate nor damage soil, is easily mixed, doesn't gum up sprayers, doesn't corrode metal or rubber, kills slowly but surely, is very economical for small and largest users, is mailable and is pleasant to use. Post paid price: 1 oz. (makes 6 gallons of spray), 45c; 6 oz. bottle, \$1.15; 1 pt. bottle (makes 100 gallons), \$2.25; 1 qt., \$3.50; 1 gal., \$14.00. Not prepaid, 1 oz., 35c; 6 oz., \$1.00; 1 pt., \$2.00; 1 qt., \$3.50; 1 gal., \$13.00; 5 gal., \$50.00.

**CASEIN SPREADER**—(The Casein spreader and adhesive).—Makes the spray spread, makes it stick and makes it cover a greater surface. Most sprays collect in drops that frequently drop off and only the surface under the drop is protected. Casein spreader greatly increases the spreading and wetting properties of the spray, spreads it evenly over the entire surface of bark, fruit and leaves and makes the spray stick persistently regardless of rains. It can be used with Bordeaux Mixture, Arsenate of Lead, Paris Green, Black Leaf 40, Lime Sulphur and oil sprays and with combinations of these sprays. It reduces the injury caused by soluble arsenic in all arsenical sprays. Use two heaping tablespoonfuls for each 5 gallons of spray, or 1 lb. for each 50 gallons. Price, post paid— $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 2 lbs., 75c; 5 lbs., \$1.65; 10 lbs., \$2.75. Not prepaid,  $\frac{1}{2}$  lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.15; 10 lbs., \$2.25; 25 lbs., \$5.00; 50 lbs., \$9.50; 100 lbs., \$17.50.

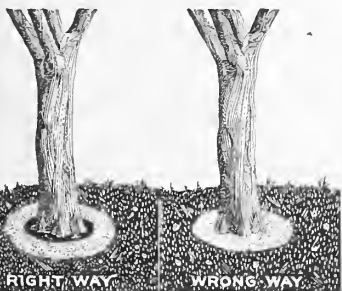
**SUPERFINE SULPHUR**—For dusting Cotton Hoppers, Red Spider, Mildew on Roses and for use with lime in making self-boiled lime sulphur solution. Price, post paid—1 lb., 20c; 5 lbs., 60c; 10 lbs., \$1.10; 25 lbs., \$2.25; 50 lbs., \$3.75. Not prepaid—1 lb., 15c; 5 lbs., 45c; 10 lbs., 75c; 25 lbs., \$1.75; 50 lbs., \$2.75; 100 lbs., \$4.00.

**HYDRATED LIME**—For mixing with sulphur in making home boiled lime sulphur solution, also used in flower beds and on lawns for sweetening the soil. Price, post paid—1 lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00. Not prepaid—1 lb., 10c; 5 lbs., 25c; 10 lbs., 35c; 25 lbs., 75c.

**COPPER SULPHATE (BLUE STONE OR BLUE VITRIOL)**—Used for early spraying and in making Bordeaux Mixture and copper solution. Will keep indefinitely. Special prices quoted on large quantities. Not prepaid—1 lb., 20c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.50; 50 lbs., \$4.75; 100 lbs., \$9.00. Not mailable.

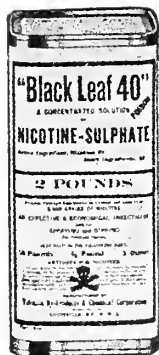
**GRAFTING WAX**

By mail, post paid— $\frac{1}{2}$  lb., 35c; 1 lb., 60c; 5 lbs., \$2.25. Not prepaid— $\frac{1}{2}$  lb., 30c; 1 lb., 50c; 5 lbs., \$2.00.



**Applying Paradichlorobenzene.**  
For best results, read directions.

**BUCHANAN'S SPRAYING GUIDE** tells time to spray, and how to make solutions.—See page 91.

**GRASSELLI SULFORON**

It should be used as a summer spray on peaches, plums and cherries at the rate of 2½ to 3 pounds to 50 gallons of water.

As a summer spray on apples it should be used at the rate of from 3 to 4 pounds to 50 gallons of water.

To control mildew on roses and similar diseases on other ornamentals, use at the rate of 3 to 4 pounds to 50 gallons of water or apply as received, dusting on the foliage.

If leaf-eating insects are present, arsenate of lead may be added in the quantities usually recommended for spraying, or if applied as a dust, mix one part of arsenate of lead to nine parts of Sulforon.

Price post paid—4 lbs., \$1.00; 8 lbs., \$1.70; 24 lbs., \$4.25; 48 lbs., \$7.00. At Store—4 lbs., 75c; 8 lbs., \$1.40; 24 lbs., \$3.75; 48 lbs., \$6.75; 96 lbs., \$13.25.



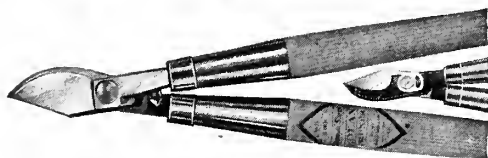
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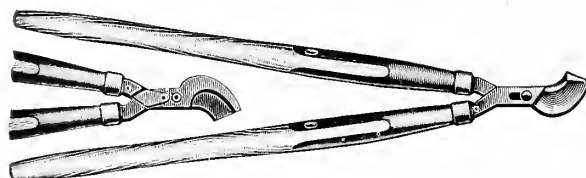
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No. 27-S—Lopping Shears



No. 25-S—Draw Cut Lopping Shears



No. 30-A—Budding Knife



No. 23-A—Grafting Knife

**BLACK LEAF 40—FOR SPRAYING AND POULTRY LICE**

**BLACKLEAF 40**—A nicotine solution for destroying aphids, lice, etc., on both garden and flowering plants. A teaspoonful makes 1 qt. of solution. This is one of the most effective preparations for general sucking insects. A remarkable control for poultry lice, that does away with dusting, dipping or greasing, and yet is absolutely effective and unbelievably simple. An hour or two before birds roost for the night, paint the top side of roosts with undiluted (full strength) "Black Leaf 40," at the rate of about one ounce to 12 or 15 running feet of roost; or, say, one pound to about 200 feet of roost. Make sure that all birds go on the roosts. Some run a line of undiluted "Black Leaf 40" on the top of the roosts from an oil can, and spread it with a feather. In coops with wire bottoms, apply "Black Leaf 40" to wire bottoms with a paint brush. If found necessary, a second application ten days after the first may easily be made. Two or three treatments each year should normally furnish the desired protection. But as the "Black Leaf 40" method is so easy and inexpensive, applications may profitably be made whenever necessary. This method is not recommended for use on baby chicks. Oz. bots., 35c; ½-lb. \$1.25; 2-lb. tin, \$3.25; 10-lb. tin, \$11.85. Can't be mailed.

**BLACKLEAF 40 TOBACCO DUST**—Sure death to all plant lice and aphids, for best results dust on when foliage is damp. Our tobacco dust is of extra fine quality, very strong in nicotine content. Price, post paid—1 lb., 20c; 5 lbs., 65c; 10 lbs., \$1.15; 25 lbs., \$2.25; 50 lbs., \$4.00. At store—1 lb., 15c; 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.50.

**SULPHO-TOBACCO SOAP**—Nicotine, Sulphur and Soap—three well-known insecticides—are all combined in this soap. Much more effective than a simple Nicotine spray against Black and Green Aphids, Mealy Bug, Red Spider, and many other sucking insects. Simple directions with each cake. 3-ounce cake makes 1½ gallons of solution; 8-ounce cake makes 4 gallons of solution. Price, post paid—3 oz. cake, 20c; 8 oz. cake, 35c. At store—3 oz. 15c; 8 oz., 30c.

**DRITOMIC SULPHUR PREVENTS FUNGOUS TROUBLES**

**DRITOMIC SULPHUR**—It is easily mixed and can be used with Arsenate of Lead with a small amount of Lime added. Dritomic Sulphur will prevent all fungous troubles, bitter, brown rot, scab, etc. It is suitable for both peaches and apples. Full directions on each package. Price, post paid—4 lbs., \$1.00; 8 lbs., \$1.75; 24 lbs., \$4.50; 48 lbs., \$7.50. At store—4 lbs., 80c; 8 lbs., \$1.50; 24 lbs., \$4.00; 48 lbs., 7.00; 96 lbs., 14.00.

**K-R-O KILLS RATS AND MICE**

K-R-O is relatively harmless to human beings, livestock, pets, poultry, yet it is guaranteed to kill rats and mice every time. Many letters testify to the great merit of K-R-O. Get a can now. It's easy to use, works quickly, safely and surely. Satisfaction guaranteed. Small size, post paid, 85c; at store, 75c. Large size, post paid, \$2.10; at store, \$2.00.

**ATLAS WEED KILLER**—(Non-poisonous)—Dandelions, plantain and other weeds in lawns may be quickly killed without destroying surrounding grass by applying Atlas Non-Poisonous Weed Killer with our Dandelion Gun. This slender tube device permits direct application to the crown or center of specific plant structures.

	At Store	Post Paid
Small size cans .....	\$0.50	\$0.65
Large size cans .....	2.00	2.25

**BUCHANAN'S PRUNING TOOLS**  
**PRUNING SAWS**

	Post Paid	At Store
No. 20. California Pattern, crescent shaped, special steel blade, hardwood handle riveted to steel blade, 12 in.....	1.40	1.25
No. 50. Same as above except heavier, 14 in.....	1.65	1.50

**PRUNING SHEARS**

Polished and tempered crystal steel blade riveted to handle. Should last for years.

	Post Paid	At Store
No. 26-S. Black Jap. handles, flat or coil spring, 9 in....	\$0.65	\$0.50
No. 23-S. Cal. Pattern, volute spring, ratchet nut, 9 in..	1.15	1.00
No. 23. Cal. Pattern, flat spring, ratchet nut, 9 in....	1.35	1.25

**LOPPING SHEARS**

No. 27-S. Light weight but strong enough for heavy work; blade and hook are of hardened and tempered steel, 28 in. ....	2.25	2.00
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**DRAW-CUT LOPPING SHEARS**

No. 25-S. The construction of this lopping shear produces a powerful sliding cut movement of the blade. The blade hook and shank are forged from tool steel and are held together by a hardened steel bolt with lock-nut. Handles, northern second-growth ash, natural finish, 4-inch spading fork ferrule and cap, black Japanned, and riveted to shear. Length of handles 22 inches, length over all 29 inches.....	3.25	3.00
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**BUDDING KNIFE**

No. 30-A. For budding, capulation and vine grafting. Handles strong brass lined with ebonite covering...	1.60	1.50
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**GRAFTING KNIFE**

No. 23-A. Very popular for vine and tree grafting.....	1.60	1.50
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# BUCHANAN'S FRUIT GROWERS SPRAYING GUIDE

CROP	INSECTS AND DISEASES	MATERIALS	DILUTIONS		TIME TO SPRAY
			One Gallon of Water	Fifty Gallons of Water	
APPLE	Scale Insects, San Jose, Oyster Shell and Blister Mite, Red Mite	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint ¼ pint 18 to 20 teaspoonfuls	5 to 7 gallons 1½ gallons 12 to 15 pounds	While the trees are dormant, either in spring or fall. Delayed dormant spray applied in spring when buds are showing silvery.
	Codling Moth, Curculio, Bud-Moth, Scab, Frog-Eye and Blotch	Lime Sulphur Solution or Dry Lime Sulphur and Arsenate of Lead	1-5 of a pint 5 to 6 teaspoonfuls 3 to 8 teaspoonfuls	1½ to 1½ gallons 3 to 4 pounds 1 to 1½ pounds	1. When buds show pink. (Important scab spray.) 2. When petals fall. (Calyx spray.) 3. Ten days to two weeks later. (Blotch.) 4. Four weeks after petals fall. (Blotch.)
	Later Codling Moth Broods Blotch	Arsenate of Lead Bordeaux	3 to 8 teaspoonfuls 12 to 16 teaspoonfuls	1 to 1½ pounds 8 pounds	Eight to ten weeks after petals fall and as often as necessary to keep fruit covered with Arsenate of Lead, and a fungicide where bitter rot is present.
	Aphids (Plant Lice)	Sulphate of Nicotine, 40%	1 teaspoonful	½ pint	Combine with other sprays and apply when Aphids appear. Usually in delayed dormant sprays. Complete coverage is necessary.
PEAR	Scale Insects and Blister Mites	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint ¼ pint 18 to 20 teaspoonfuls	5 to 7 gallons 1½ gallons 12 to 15 pounds	Dormant or delayed dormant. When the buds begin to swell.
	Psylla, Slugs, Scab and Codling Moth	Bordeaux Mixture or Dry Lime Sulphur or Lime Sulphur Solution Arsenate of Lead Sulphate of Nicotine	12 to 16 teaspoonfuls 5 to 6 teaspoonfuls 1-5 pint 3 to 8 teaspoonfuls 1 teaspoonful	6 to 8 pounds 3 to 4 pounds 1½ to 1½ gallons 1 to 1½ pounds ½ pint	1. Cluster or pink stage. 2. Calyx or petal fall. 3. Two weeks after petal fall.
PEACH	Scale, Insects and Leaf Curl	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint ¼ pint 18 to 20 teaspoonfuls	5 to 7 gallons 1½ gallons 12 to 15 pounds	In the fall or in the spring before the buds swell. Very essential for the control of leaf curl.
	Curculio	Arsenate of Lead	3 to 8 teaspoonfuls	1 to 1½ pounds	Combine with summer peach spray when Curculio is present.
	Scab and Brown Rot, and to prevent Rot developing after Fruit is picked	Summer Peach Spray, a specially prepared Mixture replacing self-boiled Lime Sulphur	12 to 20 teaspoonfuls	8 to 10 pounds	1. When most of shucks are off. 2. Two weeks after shucks dropped. 3. Four weeks before picking. If necessary. 4. Week to ten days before picking. Very important.
	Borers	Paradichlorobenzene	1 to 2 ounces in a circle away from trunk of tree	evenly distributed 2 inches	1. In the spring. 2. In the fall.
PLUM	Scale Insects	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint ¼ pint 18 to 20 teaspoonfuls	5 to 7 gallons 1½ gallons 12 to 15 pounds	Apply just before growth begins. If scale is not prevalent this application can be omitted.
	Curculio	Arsenate of Lead	3 to 8 teaspoonfuls	1 to 1½ pounds	After petals fall and whenever pest is serious.
	Leaf Spot, Brown Rot	Summer Peach Spray	12 to 20 teaspoonfuls	8 to 10 pounds	1. Petal fall. 2. Ten days to 2 weeks after petal fall. 3. About a month before harvest.
CHERRY (Sour)	Scale Insects	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint ¼ pint 18 to 20 teaspoonfuls	5 to 7 gallons 1½ gallons 12 to 15 pounds	Apply just before growth begins. If scale is not prevalent this application may be omitted.
	Leaf Spot, Curculio, Brown Rot, Slugs	Lime Sulphur Solution or Dry Lime Sulphur Arsenate of Lead	1-5 pint 5 to 6 teaspoonfuls 3 to 8 teaspoonfuls	1 to 1½ gallons 3 to 4 pounds 1 to 1½ pounds	1. Just before blooming. 2. Petal fall. 3. Ten days to two weeks after petals fall. 4. Three to four weeks after petals fall. 5. Immediately after fruit is picked.
	Cherry Fruit Fly	Arsenate of Lead	5 to 10 teaspoonfuls	1½ to 2½ pounds (sweeten with sugar or molasses)	As soon as Fruit Fly appears. It is essential to keep fruit covered with Arsenate.
	Same schedule as above except Lime Sulphur should not be used stronger than 1 gallon to 50 gallons of water; Dry Lime Sulphur at rate of 2 to 4 pounds to 50 gallons of water. Also avoid heavy spraying because of danger of foliage injury. Aphids are often serious so that Sulphate of Nicotine is necessary in some sprays.				
CHERRY (Sweet)					
GRAPE	Black Rot Mildew	Bordeaux Mixture	12 to 16 teaspoonfuls	6 to 8 pounds	When shoots are 8 to 10 ins. long, just before blooming.
	Berry Moth	Arsenate of Lead	3 to 8 teaspoonfuls	2 to 3 pounds	1. After the blossoms fall. 2. Ten days to two weeks later. 3. Just as berries begin to touch in the clusters.
	Black Rot Mildew	Bordeaux Mixture	12 to 16 teaspoonfuls	6 to 8 pounds	
	Rose Chafer	Arsenate of Lead	3 to 8 teaspoonfuls	2 to 3 pounds	Apply when pests are serious, mixing gallon of molasses with poison.
BUSH FRUITS RASPBERRY BLACKBERRY	Leaf Hopper	Sulphate of Nicotine or Dusting Sulphur	1 teaspoonful Cover plants with dust	½ pint Cover plants with dust	Apply when first nymphs of the Leaf Hopper acquire wings.
	Scale, Cane Blight, Leaf Spot	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint ¼ pint 13 to 20 teaspoonfuls	5 to 7 gallons 1½ gallons 12 to 15 pounds	In the spring, before the growth begins. Delayed dormant, just before leaves come out.
BEANS	Anthracnose	Lime Sulphur Solution or Dry Lime Sulphur	1 pint 13 to 20 teaspoonfuls	5 to 7 gallons 12 to 15 pounds	
	Bean Beetle	Sodium Fluor-Silicate	Cover plants with dust	Cover plants with dust	Dust plants when beetles appear and as often as necessary thereafter.
CABBAGE and CAULIFLOWER	Anthracnose	Bordeaux Mixture	12 to 16 teaspoonfuls	6 to 8 pounds	When plants are two inches high and every ten days until pods are formed.
	Leaf Eating Insects	Arsenate of Lead and Hydrated Lime	Cover plants with dust	Cover plants with dust	Dust on plants as soon as worms appear.
CUCUMBER and MUSKMELON	Striped Beetle	Sodium Fluor Silicate	Cover plants with dust	Cover plants with dust	Dust plants as soon as they are up and keep them covered with dust.
POTATO	Potato Bug, Flea Beetle, Leaf Hopper, Blight	Arsenate of Lead Bordeaux Mixture	3 to 8 teaspoonfuls 12 to 16 teaspoonfuls	1½ to 2 pounds 6 to 8 pounds	Spray or dust plants as soon as they break through and every ten days thereafter. If bugs are not present, omit Calcium Arsenate.
TOMATO	Tomato Worm, Flea Beetle, Leaf Spot	Arsenate of Lead or Calcium Arsenate Bordeaux Mixture	3 to 8 teaspoonfuls 2 to 6 teaspoonfuls 12 to 16 teaspoonfuls	1½ to 2 pounds 1½ to 2 pounds 6 to 8 pounds	Spray or dust when plants are six inches high and every ten days thereafter.
SHRUBS SHADE TREES and FLOWERS	Scale Insects	Oil Emulsion or Lime Sulphur Solution	1 pint	1½ to 2½ gallons 5 to 7 gallons	When plants are dormant, either spring or fall. Be careful to keep lime Sulphur off of painted surfaces.
	Leaf Eating Caterpillars	Arsenate of Lead or Calcium Arsenate	3 to 8 teaspoonfuls 3 to 8 teaspoonfuls	1½ to 2 pounds 1½ to 2 pounds	Spray as soon as Caterpillars appear.



## GARDEN FERTILIZERS

# BLOOM AID

A PLANT FOOD FOR FLOWERS  
SHRUBS AND VEGETABLES

If you want your flowers to bloom earlier and longer, your shrubs and hedges to be greener, thriftier, we recommend that you use BloomAid.

In repeated tests it has brought blooms ten days to two weeks earlier—has made plants double the size of those not treated. It causes the foliage to grow more vigorously, the color to mount higher. Even experienced greenhouse workers are often amazed at its effect on growth and bloom.

Use it to enrich the soil in window boxes and to keep potted plants green and growing indoors all winter long.

Apply BloomAid around shrubs and hedges and they will quickly screen the house and grounds. Use it on your vegetable garden and you will have earlier vegetables, tenderer and better flavored because of rapid growth.

## BloomAid Prices

Tablet Form	Post paid	At store
(125 Tablets) .....	\$ .30	\$ .25
Pulverized Form	Post paid	At store
1-lb. Container ....	\$ .35	\$ .25
5-lb. Container ....	.65	.50
10-lb. Bag .....	1.05	.85
25-lb. Bag .....	2.15	1.75
100 lb. Bag .....	5.00	5.00

Complete Instructions For Use on Every Package.

## V-C FAIRWAY FERTILIZER

You can have a lawn of closer, faster-growing grass that resists drought, stays greener—one that constantly thickens and spreads, covering the bare spots.

The secret is to use V-C FAIRWAY FERTILIZER, which is made especially for grass. On new lawns it is applied a few days before seeding; on old lawns it is simply broadcasted.

This is the treatment now used on the lawns of country estates that are considered show-places. It has been adopted for use on polo fields, where the best possible turf is demanded. It is being used on the most famous golf courses to thoroughly carpet the fairways.

V-C FAIRWAY FERTILIZER is fifteen times as rich as manure and costs not more than 10 cents for each 100 square feet to be treated. It has practically no odor; does not bring in worms, grubs, or weed seed.

## Fairway Prices:

	Post paid	At store
10-lb. bag (enough for 500 sq. ft.) .....	\$1.15	\$1.00
25-lb. bag (enough for 1250 sq. ft.) .....	2.15	1.75
50-lb. bag (enough for 2500 sq. ft.) .....	3.75	3.00
100-lb. bag (enough for 5000 sq. ft.) .....	5.00	5.00

## PULVERIZED SHEEP MANURE

In making new lawns, pulverize the surface soil well and broadcast at the rate of 6 to 10 pounds per 100 square feet, raking well into the surface soil. Sow seed and roll.

For renovating old lawns, use 6 lbs. per 100 square feet and rake into the surface soil previous to sowing seed.

For garden planting, mix a small handful with the soil when planting each bulb and plant larger amounts for shrubs and trees.

For making potting soil, mix thoroughly one part of Sheep Manure with six parts of soil.

Liquid Manure—For house plants and window boxes—is made by mixing one pound of Sheep Manure in five gallons of water. Use twice weekly.

SHEEP MANURE is a highly concentrated, weedless, pure manure that makes all plants grow to perfection. It is not a stimulant, but is a real soil building plant food, safe and dependable for every use. It supplies the necessary plant food and humus to put new life into worn-out soils. ONE BAG EQUALS A WHOLE WAGON LOAD OF STABLE MANURE. It has a lasting, beneficial effect on the soil. Everybody—amateur or professional—can get wonderful results with Sheep Manure. Price, post paid—2 lbs., 25c; 5 lbs., 45c; 10 lbs., 70c. Not prepaid—2 lbs., 15c; 5 lbs., 25c; 10 lbs., 45c; 25 lbs., 75c; 50 lbs., \$1.25; 100 lbs., \$2.25; 500 lbs., \$10.50; 1,000 lbs., \$20.00; ton, \$35.00.

## FUNGITROGEN

The most complete spray for mildew and black spot on roses, and other plants, that does not discolor the foliage.

Post paid—4 oz. can, 60c; ½ pt., 85c; pt., \$1.35; qt., \$2.15.

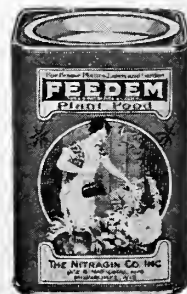
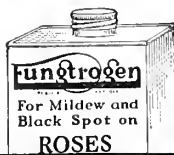
Not prepaid—4 oz. can, 50c; ½ pt., 75c; pt. \$1.25; qt., \$2.00.

## FEEDEM

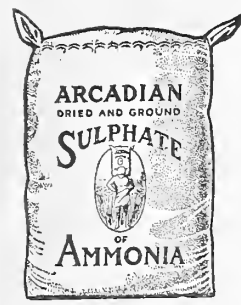
Feedem is a correctly balanced plant food. A wonderful tonic for potted plants, sweet peas, roses, ferns, bulbs, shrubs—all plant life.

Prices, post paid—4 oz., 40c; 8 oz., 60c.

Not prepaid—4 oz., 30c; 8 oz., 50c.



BUCHANAN'S FIELD AND TRUCK FERTILIZERS



**SULPHATE OF AMMONIA**—Sulphate of Ammonia is guaranteed to contain 25¼ per cent of Ammonia, or 20¾ per cent of Nitrogen, furnishing as much nitrogen in 100 pounds as is contained in 134 pounds of Nitrate of Soda, 296 pounds of Cottonseed Meal, 1,000 pounds of ordinary fertilizer, or 2 tons of stable manure.

RECOMMENDATIONS

We recommend that corn be top-dressed with Arcadian Sulphate of Ammonia at the rate of 100 to 150 pounds per acre, applied early in the growing period or when the plants are 2 to 3 feet high.

For Orchards—Peach trees, apply when buds show signs of swelling one to two pounds of Sulphate of Ammonia to bearing trees up to ten years of age.

On cotton apply 100 pounds per acre at the time of planting or as a top dressing early in the growth of the plant.

For fertilizing lawns use 1 pound to 20x20 or 400 square feet and be sure to wet the soil after broadcasting the Sulphate of Ammonia to prevent burning. Price post paid—2 lbs., 25c; 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$2.00; 50 lbs., \$2.75. Not post paid—2 lbs., 15c; 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.25; 100 lbs., \$3.25.

**NITRATE OF SODA**—The most readily available form in which nitrogen can be had. Largely used for forcing vegetables, strawberries, etc., for applying to grass fields after each cutting, producing a strong, healthy growth and wonderfully increasing the yield. For field use apply 150 pounds to acre, also can be used in small quantities very effectively on roses, shrubs, flower beds, porch boxes, etc. Price, post paid—5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 50 lbs., \$2.75. Not prepaid—5 lbs., 35c; 10 lbs., 65c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.00. Write for prices on larger quantities.

**MURIATE OF POTASH**—(50% available potash) necessary for cotton fertilizing; prevents rust, increases yield. Also valuable on asparagus beds, turnips, and all grains. Cheapest source of potash. For cotton and grains, 25 to 50 pounds to acre; for potatoes, turnips and truck crops in general use, from 50 to 150 pounds to acre. Price, post paid—5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 50 lbs., \$2.75. Price, not prepaid—25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.25; 500 lbs., \$15.00.

Fertilizer prices are constantly changing—write for prices when ready to buy.

SEMESAN, the NEW Du Pont Mercuric Disinfectant

Prevents and controls fungous diseases, quickens seed germination, invigorates seedling growth, produces sturdier plants, increases crop yield.

SEMESAN CANNOT BE MAILED

**SEMESAN**  
**IS**  
**POISON**  
**and**  
**Cannot Be**  
**Mailed**

PRICE by Express or Freight Not Prepaid

Semesan is used effectively in treating seed for: Cereal Crop Diseases (smuts and leaf, stem and root diseases); Field and Forage Crop Diseases; Truck Crop Diseases (stem, root, leaf and fruit diseases); Diseases of Ornamentals.

“Brown Patch” Semesan prevents and cures “Brown Patch,” a disease of grasses that destroys the turf on golf greens, grass tennis courts, parks and estates. Disinfection of grass seed with Semesan will also aid in preventing “Brown Patch.”

Semesan treatment of turf already infected will control “Brown Patch,” and hasten the recovery of the diseased green. Semesan is not only harmless to turf but it will actually stimulate the grass to more profuse growth.

It can be applied in either dust or liquid form.

“Damping-Off”: Seedlings grown from Semesan-treated seeds are more resistant to the costly “damping-off” fungi which so severely attack both seedlings and cuttings.

Semesan for Vegetables and Flowers

2 ounces.....	.50	5 pounds .....	\$13.00
1 pound.....	2.75	25 pounds .....	56.25

Semesan Bel

Semesan Bel for the disease treatment of Potatoes principally, but also can be used for other Tubers, Corns, Roots and Bulbs.

4 ounces .....	.50	25 pound tin....	\$ 31.25
1 pound tin.....	1.75	100 pound keg....	120.00
5 pound tin.....	8.00		

Semesan, Jr., for Corn

Semesan Jr. for the dust sterilization against disease of sweet and field corn seed.

4 ounces tin.....	.50	25 pound keg ....	\$ 31.25
1 pound tin.....	1.75	100 pound keg .....	120.00
5 pound tin .....	8.00		

CERESAN

A Dust Disinfectant for Wheat, Oats, Barley and Certain Other Cereals.

8 oz. tin.....	.50	25 pound pail....	\$ 12.50
1 pound tin.....	.75	100 pound drum...	49.00
5 pound tin.....	3.00	300 pound drum...	144.00

FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.



R.B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

# Inoculate

## ALL LEGUMES

Alfalfa, All Clovers, Soy Beans, Cow Peas, Vetch, Peas, Beans, Peanuts with

All Legume  
Germs Are  
Perishable

To Protect You  
NITRAGIN Cans  
Stamped With  
Expiration Date



Legume Germs  
Die Rapidly  
When Dried

Authorities  
Recommend  
Inoculating  
With Water

### THE ORIGINAL LEGUME INOCULATOR

Guaranteed Fresh Each Year—Leads in High Germ Count

For profitable results, Agricultural Colleges advise inoculation for all legume seed, because it pays well in producing larger quality yields. NITRAGIN inoculated legumes draw their nitrogen from the air—not the soil—with billions of fresh, efficient nitrogen-gathering germs. It's fresh each year—it's DATED, and leads in High Legume Germ Count. Quality inoculation is the cheapest legume crop insurance known.

### NITRAGIN PRICES

Alfalfa, All Clovers		Peas, Vetch, Beans, Austrian Winter Peas		Soy Beans and Cow Peas	
Size	Price	Size	Price	Size	Price
1/4 bu.....	\$.40	1/2 bu.....	\$.40	1 bu.....	\$.40
1/2 bu.....	.60	1 bu.....	.60	2 bu.....	.70
1 bu.....	1.00	1 1/2 bu.....	.90	5 bu.....	1.50
5 bu.....	4.75	3 1/2 bu.....	1.80	10 bu.....	2.50
When ordering always specify kind of seed		5 bu.....	2.50	When ordering always specify kind of seed	
		*Also called "100 lb. size."			



### Garden Nitragin—Garden Size— Peas, Beans, Sweet Peas

Inoculates from 1 ounce to 8 lbs. seed. Price, \$.25

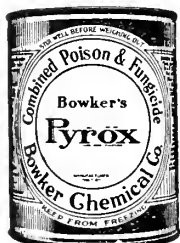
IMPORTANT: When ordering NITRAGIN, always be sure to state kind of legume seed you wish to inoculate.

Nitragin Has Served the American Farmer Since 1898

### Mixing Nitragin with Seed

Legume Germs die rapidly when dried. NITRAGIN, containing between 30%—40% moisture, will readily stick to the seed without adding water, and give inoculation. However, for best results, the preferred practice, recommended by The Nitragin Company and Agricultural Authorities is to use water when mixing legume culture with seed.

## PYROX—A Crow Repellent—Poison and Fungicide Spray



Pyrox

It takes more than a scarecrow to keep crows and blackbirds out of the cornfield. Use Pyrox. It has a very nasty taste, which the pests hate. They never bother the fields where Pyrox has been used. Try it this year—and watch results.

Moreover, Pyrox is a big help in producing a better and earlier crop. Pyrox-treated seed corn not only germinates sooner, but frequently results in better than a 90% germination, compared with 70% for more neglected kernels.

The cost is very slight—less than 25c an acre—and the treatment simple. It is a wise investment in that it assures you freedom from pests and a better and earlier crop.

Use Pyrox also to spray potatoes, tomatoes, melons and beans. Prices: Lb. 50c; 5 lbs. \$1.75; 10 lbs. \$3.00; 25 lbs. \$6.25; 50 lbs. \$10.75; 100 lbs. \$15.50; 300 lbs. \$43.50. Cannot be mailed.

## BUCHANAN'S GOLD FISH SUPPLIES

We have a large and complete stock of Gold Fish and supplies.

### Fish Food, Moss, Etc.

Natural Fish Food, pkg.....	post paid, 15c
Wafer Fish Food, pkg.....	post paid, 15c
Aquarium Moss.....	post paid, 25c

### Aquarium Castles

No. 596—Red Clay.....	post paid, 30c
No. 595—Red Clay.....	post paid, 45c
No. 576—Red Clay.....	post paid, 55c
No. 320—Red Clay.....	post paid, 65c
No. 594—Red Clay.....	post paid, 85c



### Aquarium Accessories Prices Post Paid

White pearl chips, box...	\$.25	Draining device .....	\$1.10
Colored pearl chips, box...	.25	Feeding triangle .....	.20
Sea shells, each.....	.25	Glass lily bulbs .....	.25
Dipnets, each.....	.35	Green frogs .....	.75
Floater (ducks, swans, etc.) each.....	.25		

### Gold Fish Bowls, Round

These prices post paid. Made of clear glass, four sizes.

2-Quart .....	\$0.60
4-Quart .....	.85
2-Gallon .....	1.45
3-Gallon .....	2.70

FOR WHOLESALE PRICES—NOT PREPAID—See yellow sheet in center of catalogue.



## Buchanan's Bird Homes and Supplies

On this page we list bird cages made by Hendryx, believing them to be the best bird cages manufactured; also list only such supplies as we consider staple. There is no better bird seed sold than our Buck Brand—mixed fresh, daily.

### Buchanan's Singing Canaries

We make a specialty of Native Canaries; we are able to fill orders for the choicest singers, guaranteed satisfaction. We have a special strain of Buchanan's Siefert and Neugebour Rollers. Specify which kind of bird wanted.

The song of the Native Roller is nothing but a stream of sweet music, as it consists of trained notes, such as long, hollow rolls (from which this bird is named), trills, bell and nightingale notes, etc., which are produced with such a soft, melodious voice that it is really a pleasure to listen to such a little song wonder. While the sharp, shrill voice and short notes of the Imported Canary usually tire your ear, you will never get tired listening to the beautiful notes of the Native Roller. These birds are also trained to sing at night as long as the room is light.

Roller (Closed Beak).....	Price by Express, not prepaid	\$15.00
Roller Female .....	Price by Express, not prepaid	5.00
Hartz Mountain (Open Beak) .....	Price by Express, not prepaid	10.00
Hartz Mountain Female .....	Price by Express, not prepaid	3.00

ALL PRICES BELOW ON THIS PAGE POST PAID

### Round Brass Cage

Spring Brass Wires, Solid Brass Rail, Spun Brass Base.  
Furnished only with Brass Wire Guard.

No.				With Guard
274	Body, 10	inches diameter.	Height, 16	inches.....\$5.25
275	Body, 11	inches diameter.	Height, 16½	inches.....5.75
276	Body, 11 9/16	inches diameter.	Height, 18	inches.....7.00

The Round Cages, like Cut 274, can be furnished in bronze or gun metal at \$1.50 additional per cage.

### Mixed Bird Seed

It is mixed fresh by us as sold, and nothing goes into this mixture but the best, cleanest Canary Seed and Bird Rape from South America and Millet from Kansas, that can be bought. Price—1 lb., 20c; 2 lbs., 35c; 4 lbs., 65c; 10 lbs., \$1.50.

Buchanan's Special Mixture for Canaries—Made from the very best mixture of Turkish Canary, Thistle, Poppy, Lettuce, Steel Cut Oats and Sweet German Rape. Especially prepared for the Roller Birds. Price—Lb., 30c.

BUCK BRAND Canary Seed, plain.....	1 lb. \$	.25
Hemp Seed .....	1 lb.	.25
Millet Seed .....	1 lb.	.20
Rape Seed .....	1 lb.	.30
Sunflower Seed .....	1 lb.	.25
Cuttle Fish Bone .....	each	.15
Parrot Food .....	box	.30
Song Restorer .....	box	.35
Medicated Birdseed Tonic.....		.20

### Clayton's Dog Remedies

	Prices Post Paid		
Mange Remedy .....	\$0.65	Vermifuge (liquid—soft capsules) .....	\$0.65
Skin Lotion .....	.65	Eye Lotion (liquid—tablets) .....	.65
Distemperine, liquid or tab'ts .....	.65	Fit Remedy (liquid—tablets) .....	.65
Condition Pills with Pepsin..	.65	Cough Remedy .....	.65
Blood Purifying and Cooling Pills .....	.65	Puppy Tonic .....	.65
Laxative Pills .....	.65	Sulphur Tablets .....	.65
Worm Pills .....	.65	Rheumatic Tablets .....	.65
Tape Worm Expeller .....	.65	Diarrhoea Remedy (liquid)..	.65
Canker Lotion Liquid (tab's) .....	.65	Chorea Tablets .....	.65

### Sergeant's Dog Medicine

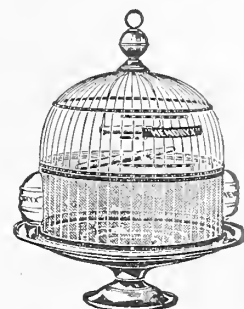
	Known to All Dog Fanciers. (Prices Post Paid)		
Distemper Medicine.....	\$1.30	Cough Medicine.....	\$0.65
Mange Medicine.....	.75	Rheumatic Pills.....	.65
Condition Pills.....	.65	Dog Rub.....	.65
Sure Shot Capsules.....	.65	Eye Wash.....	.65
Sure Shot Liquid.....	.65	Constipation Capsules.....	.65
Tape Worm Medicine.....	.65	Carbolic Tar Soap.....	.30
Arsenic and Iron Pills.....	.65	Skip-Flea Soap.....	.30
Canker Wash.....	.65	Skip-Flea Powder.....	.30
Well Mouth.....	.65	Carbon Tetrachloride, for hookworm and running fits capsules .....	1.10
Pepsin Tablets.....	.65		

**CARBON TETRACHLORIDE, C. P.**—Will absolutely cure and remove all kinds of worms in dogs and pups. Running and barking fits, or fright disease, is caused by the toxins from hook worms. Carbon Tetrachloride with Vitamin Tonic is absolutely guaranteed to cure running barking fits. Price, correct dose sealed in elastic capsules of assorted sizes, or all large capsules, \$1.10, parcel post paid.

### Miscellaneous Bird Supplies

Prices Post Paid

Bird Cage Seed Cups, Opal or Glass .....	each	\$.25
Bird Cage Bath Cups.....	each	.30
Bird Cage Brackets .....	each	.45
Bird Bitters .....	bottle	.30
Bird Mite Exterminator .....	box	.30
Bird Moulting Pepper .....	box	.30
Bird Nestling Food .....	box	.30
Bird Nestling Hair .....	box	.15
Bird Cage Brass Springs.....	each	.25
Bird Cage Brass Chain with springs .....	each	.35
Bird Cage Nests, Wire .....	each	.20
Silver Gravel .....	pt. box	.25
Red Gravel .....	pt. box	.25



Cage 274



### Peerless Meat-Cereal Dog Food

These Prices Not Prepaid.

10 lbs.....	\$0.85	50 lbs.....	\$3.00
25 lbs.....	1.75	100 lbs.....	5.50

This is a specially prepared, nutritious ration, used by large kennels with great success. It's the best dog food on the market, according to many.

### Bennett's Milk-Bone Dog Biscuit

A superior preparation; keeps dogs in good condition. Ask for circulars.

Per box, 40c; postpaid, 50c.

#### Puppy Biscuit

Especially prepared for puppies. They thrive and grow fat on M. B. Biscuits.

Per box, 40c; postpaid, 50c.

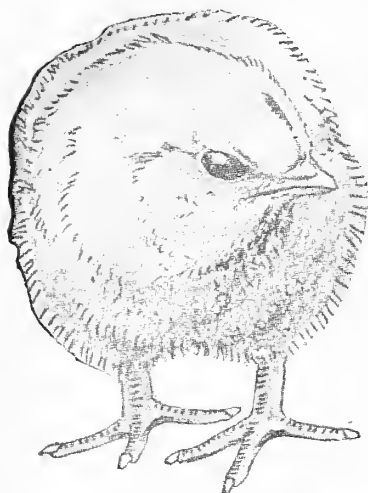


**Send Your Seed Orders in January or February**

The sooner your order arrives the better the attention we can give to it.



## Buchanan's Day-Old Chicks by Parcel Post



My! But how chick raising has changed since you and I were children. Then we set the hen on 15 eggs, each one duly marked with an "X" or an "O" so we could tell the setting eggs from the others that would be laid in the nest during the three weeks' time that we were scrapping to keep the laying hens away and the "settin" hen on the nest. After a three weeks' scrap, if we were lucky, we got a pretty good hatch from the eggs that were not broken by the hens fighting to do their duty—one wanting to set, the other wanting to lay—but that is all changed now. The wise poultryman keeps his hens laying and buys his chicks already hatched.

Delivered post paid—When You Want Them. We begin shipping about Jan. 1 and continue until July 1, and expect to hatch and ship about 200,000. Remember! The earlier you hatch a chick in the spring the earlier you will have laying pullets the next fall.

Sell your winter eggs while prices are high.

Keep your hens laying. Send us your order for early chicks. We will fill all orders as received. First come, first served. Book your orders now.



This photo shows 100 Buchanan's Day-Old Chicks ready for mailing



### Buckeye Blue Flame Chick Hover

Equipped with the new improved burner that gives the maximum amount of heat with the minimum consumption of oil. A Wick Type Burner with oil fed by gravity.

Self-feeding and self-regulating; does not clog, flare up or go out. Can be safely operated on any floor.

A vital feature is the "Diafram" Heat Conveyor. This is an ingenious invention so attached to the hover that it insures the radiation of the heat to the very outside of the brooding area, using all the heat. (See cut above.)

Galvanized Hover, supported by cast iron legs.

	No. 27-A	No. 80	No. 81
Capacity, Chicks.....	200	350	500
Diameter, Inches.....	34	42	52
Weight, each, lbs.....	40	50	60
Price, each, at store....	\$14.50	\$15.50	\$16.50

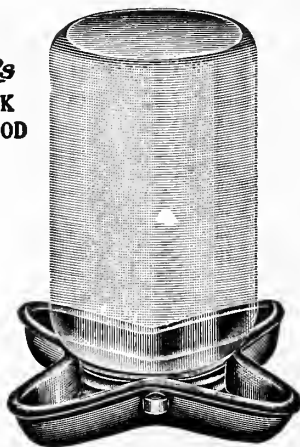


**Conkey's  
BUTTERMILK  
STARTING FOOD**

It is a well balanced food that builds strength and stamina, the dry buttermilk aids in preventing baby chick troubles.

At store, 2½ lbs., 25c; 5 lbs., 40c; 10 lbs., 70c; post paid, 2½ lbs., 35c; 5 lbs., 55c; 10 lbs., 90c.

One size only. No. 32, each, 20c; 6 for \$1.00. By parcel post, each, 25c; 6 for \$1.15.



Star Fountain Holder

### Moe's Round Baby Chick Feeder

The most convenient and commodious feeder on the market. Can also be used for water. Manufactured in two sizes.

No. 11—Small Size, 25c; by parcel post 35c.

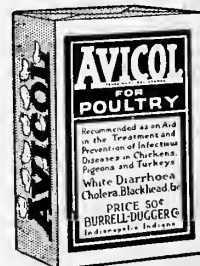
No. 12—Large Size, 35c; by parcel post 45c.



Moe's Round Baby Chick Feeder

### Avicol Saves Baby Chicks

A safe and effective remedy in tablet form for White Diarrhea, Cholera, etc., in small and large grown fowls. Avicol is now being used by thousands of successful poultry raisers the world over. Write for circulars. Price 50c and \$1.00 per pkg., post paid.



### DON SUNG

Guaranteed Egg Producer

Absolutely guaranteed to put your hens in good condition and make them lay more eggs.

It is a scientific discovery for hens that merely stimulates the egg organs, making her strong and vigorous.

Price, box, 45 tablets, 50c, parcel post paid. Large size box, 135 tablets, \$1.00. Special size, 700 tablets, \$5.00, parcel post paid.



# BUCHANAN'S SPECIAL QUOTATION SHEET

R. B. BUCHANAN SEED CO., Memphis, Tenn.

Dear Sir:—I would like to have you name me your lowest price on the list of seed I give you below. Please quote your best prices, and also let me know whether in your opinion the seed should be sent by Freight or Express, and also about what the cost of delivery will be. It is distinctly understood that in asking for this special quotation I am under no obligation to purchase same, and this is entirely for my own information as to prices and Freight or Express rates.

Please fill out this sheet with the list of Seeds you want prices on, tear it out and mail to me; I will make you right prices on best quality obtainable.	QUANTITY	Number in Catalog	NAME OF SEEDS OR ARTICLE WANTED	Leave This Space Blank	

PLEASE WRITE PLAINLY IN THE BLANK SPACES BELOW

Your name.....	I am on the.....Railroad
P. O.....	My Express Office is.....
County.....R. F. D.....	The name of the nearest Freight Station is
State.....Date.....	

BUCHANAN'S GLORIOUS GLADIOLA COLLECTION

GREATEST BULB VALUE  
EVER OFFERED; 18 BEST  
BULBS \$1.00 POSTPAID

3 BARON HULOT  
3 HALLEY  
3 SCHWABEN

3 CHICAGO  
3 MRS. FRANCIS KING  
3 AMERICA

6 SEPARATE COLORS  
18 GLADIOLUS BULBS  
\$1.00 POSTPAID

**R. B. BUCHANAN SEED CO., MEMPHIS, TENN.**

Ship to me by—Mail ☐ Express ☐ Freight ☐  
(Mark X in square for desired shipment)

Name **Mr.**  
**Mrs.**  
**Miss** (if Mrs., kindly use husband's first name or initials, as Mrs. Sam B. Clark)

Rural Route.....	Box No.....	Express or Freight office.....
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**Street Address**.....

## NOTICE

**If goods are wanted C. O. D. 25 per cent. of amount must accompany the order.**

**No plants shipped C.O.D.**

**E. B. Buchanan Seed Co. give no warranty, either express or implied, as to description, quality, productiveness or any other matter, of seeds, bulbs or plants they send out, and will not be in any way responsible for the crop.**

PLEASE DO NOT WRITE  
IN THIS SPACE

Shipped.....

[illegible]



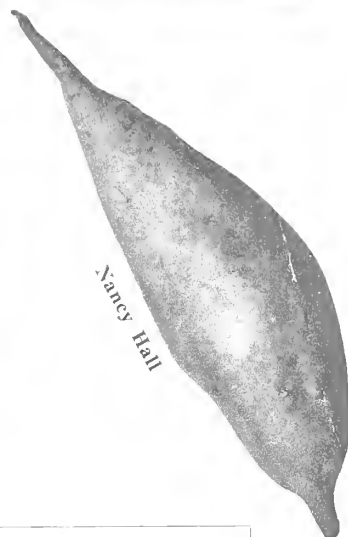
CERTIFIED SEED POTATOES



Porto Rica Yam



Red Triumph



Nancy Hall

We sell only State Certified Irish and Sweet Potatoes. We handle two varieties of Certified Irish Potatoes—the Red Triumph and Irish Cobbler. They are packed in 2½ bushel (150 pounds) burlap sacks. We also handle two varieties of Certified Seed Sweet Potatoes. They are packed only in 1 bushel hampers (about 45 pounds). The prices on Seed Potatoes are continually changing. Write for prices on quantity wanted when ready to buy.

## HOTKAPS

### HIGHER PRICES FOR YOUR CROP

### SETTING HOTKAPS

Read carefully and know how Hotkaps are used. The pictures below explain.

This Amazing New Method of Plant Protection Gets You Higher Prices for Larger and Quicker Crops

Last year thousands of growers added to the value of their vine crops by using Germaco HOTKAPS—shown at right. This remarkable invention consists of a scientifically constructed wax paper cone that you place over each plant. Thus they are miniature hot-houses that protect plants from frost, wind, rain, insects and ground crusting.

HOTKAPS not only protect plants, but make them grow harder and faster. Thus you get a greater crop production to market earlier for higher prices!

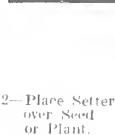
You can add to your next year's profit with Hotkaps. They cost but a fraction over a penny each. One man can "set" 3,000 Hotkaps per day. They not only bring you higher prices, but are a method of crop insurance—against the danger of the elements.

Prices of HOTKAPS—50 kaps \$1.00; 100 for \$1.85; 250 for \$3.50; 500 for \$6.25; 1,000 for \$11.50; 5,000 for \$55.00, postage or express paid by us in lots up to 1,000.

Germaco Hotkap Heavy Steel Setters, a labor saving device for setting Hotkaps accurately and quickly into the ground. Price \$2.25 each. Light weight Setter for garden use, 50c.



1—Place Hotkap in "Setter."



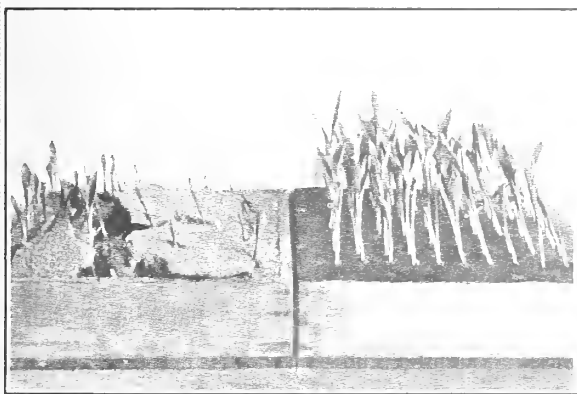
2—Place Setter over Seed or Plant.



3—Place small amount of dirt around edge of Setter.



4—Remove Setter from Hotkap. One man can place 3,000 kaps per day!



Plants Not Mulched

Mulched Plants

The result of a laboratory experiment with corn. In both cases the same soil, having a high sand content, was used and the same amount of moisture provided. In the case of mulched plants the conservation of moisture overcame the tendency of the soil to crumble that is apparent with the unmulched plants.

### Mulch Paper

Gator-Hide Mulch Paper is essentially an agent for increasing soil warmth, soil temperature and for eliminating the drudgery of weeding and cultivating. It adds heat units to and conserves moisture in the soil. The use of Mulch Paper greatly increases yield and crops reach maturity far in advance of the unmulched crops. It will increase the yield of nearly every variety of vegetable and flowers and is especially recommended for the following vegetables: Snap Beans, Beets, Carrots, Cucumbers, Sweet Corn, Squash, Cantaloupes, Watermelons, English Peas, Lima Beans, Cabbage, Lettuce, Tomatoes, Egg Plants, Peppers, etc. It is very easy to use the paper—just apply to the soil surface, only after proper preparation of the fields to insure proper tilth. The paper is unrolled over or between the prepared plant beds, so that it lies in direct surface contact with them. Where the crop is drilled a space of about two inches should be left between the strips of paper. The paper can be fastened to the ground in many different ways.

Write for a free copy of our 31-page book, "THE MIRACLE OF MULCH PAPER," which is illustrated and tells all about the value of Mulch Paper, besides how to use it.

**Mulch Paper**—(Light weight roll for annual crops)—18 inches wide, 300 yards long. Price \$3.50 per roll. 36 inches wide and 300 yards long. Price \$7.00 per roll.

**Mulch Paper**—(Heavy weight for perennial crops)—18 inches wide, 150 yards long. Price \$3.50 per roll. 36 inches wide and 150 yards long. Price \$7.00 per roll.



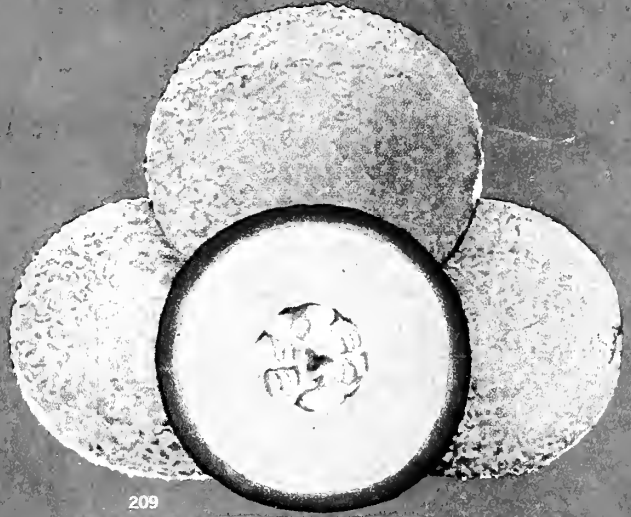
# BUCHANAN'S

SEEDS FOR 1931



288

BUCHANAN'S LIVINGSTON'S GLOBE TOMATO

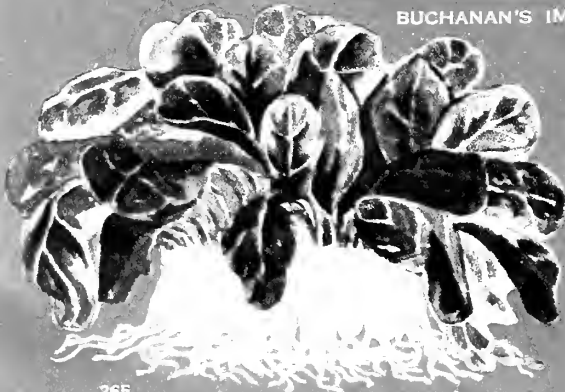


209

BUCHANAN'S SALMON-FLESHED ROCKYFORD



BUCHANAN'S IMPROVED WATERMELON  
254-A



265

BUCHANAN'S TOKAYO MUSTARD SPINACH



87

BUCHANAN'S CHARLESTON WAKEFIELD



**R.B. BUCHANAN SEED CO.**  
**MEMPHIS, TENNESSEE**

